

PUBLIC DOCUMENT.....

.....No. 27.

TWENTY-SEVENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL,

AT WORCESTER.

O C T O B E R , 1 8 5 9 .

BOSTON:

WILLIAM WHITE, PRINTER TO THE STATE.

1 8 5 9 .

OFFICERS OF THE HOSPITAL.

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T R E A S U R E R .

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<i>Office, Mechanics' Bank, Main Street, Worcester.</i>					

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Commonwealth of Massachusetts.

TWENTY-SEVENTH ANNUAL REPORT

OF THE

TRUSTEES OF THE FIRST HOSPITAL FOR INSANE,
AT WORCESTER.

His Excellency the Governor, and the Honorable Council:

The Trustees of the State Lunatic Hospital at Worcester, in compliance with the laws of the Commonwealth, respectfully submit this Twenty-Seventh Annual Report.

It will be seen by reference to the statistics of the Superintendent, the number of patients in the institution October 1, 1858, was, males, 141; females, 160. Total, 301.

Admitted during the year 1858-9—males, 106; females, 94. Total, 200.

Whole number under treatment—males, 247; females, 254. Total, 501.

Discharged recovered—males, 43; females, 46. Total, 89.

Improved—males, 25; females, 27. Total, 52.

Not improved—males, 7; females, 6. Total, 13.

Died—males, 20; females, 10. Total, 30.

Whole number discharged during the year—males, 95; females, 89. Total, 184.

Whole number remaining in the hospital September 30, 1859—males, 152; females, 165. Total, 317.

Of this number there are—Irish, 75; Germans, 4; blacks, 2; State paupers, 5.

SALARIES OF OFFICERS.

Superintendent,	\$1,800 00
Steward and Matron,	700 00
Assistant-Physician,	900 00
Treasurer,	600 00

The prices of board for patients in the institution, as established by the Trustees for the year ensuing—\$3 per week for first six months; \$2.75 for remaining six months.

By the blessing of God, the institution has been preserved from prevailing epidemics and diseases. Although our number of recoveries is somewhat less than for the past two or three years, it will be remembered that the number of patients has diminished, and the number of commitments have been less, in consequence of the establishment of other like institutions in the Commonwealth. We believe, however, that the comparative number of recoveries, on all the admissions, exhibits nearly the same ratio as in previous years.

The present condition of the hospital and its inmates is most satisfactory. The Trustees are gratified to express their confidence in the untiring industry and devotion of our worthy Superintendent, and his efficient corps of assistants, in the promotion of the welfare of all the inmates of the institution, and the progress of all affairs committed to their supervision.

The improvements and repairs connected with the hospital and its surroundings, have been more extensive than any former year. The chapel, from its dilapidated and untenable condition, requiring many important and expensive repairs, is now, in connection with other important improvements, being rebuilt and in rapid progress of completion. The erection of suitable fences, the relaying of water pipes, and the construction of reservoirs on the farm and at the stables, together with the general improvements in agricultural affairs, constitute a large item in the list of current expenses.

The more immediate wants of the institution, beyond those in progress of completion, are a building and suitable inclosures for gymnastic exercises for patients and attendants.

A more substantial supply of water is also much needed in the direct vicinity of the hospital buildings, which the Trustees believe may be secured by the construction of reservoirs sufficiently adequate to supply all necessary demands in the event of conflagrations on the premises.

JOSEPH N. BATES.

WM. T. MERRIFIELD.

C. H. STEDMAN.

THOS. COLT.

R. W. HOOPER.

T R E A S U R E R ' S R E P O R T .

The Treasurer respectfully submits his annual report.

Cash on hand October 1, 1858,	. . . . .	\$603 84
Received from the Commonwealth,	. . . . .	25,818 54
Received from towns and individuals,	. . . . .	33,745 68
Received interest on railroad bonds,	. . . . .	30 00
Mechanics' Bank,	. . . . .	253 22
		\$60,451 28

The disbursements have been as follows:

Steward's orders,	. . . . .	\$58,396 99
Mechanics' Bank,	. . . . .	793 97
Town of Quincy, (overcharge on acc't,)	. . . . .	62 18
Expense of sustaining suits,	. . . . .	290 00
Treasurer and expenses,	. . . . .	676 88
Cash on hand,	. . . . .	231 26
		\$60,451 28

H. WOODWARD, *Treasurer.*

WORCESTER, October 14, 1859.

SUPERINTENDENT'S REPORT.

Twenty-seventh Annual Report of the Superintendent to the Trustees of the State Lunatic Hospital, at Worcester:

GENTLEMEN,—The close of another year renders it my duty, in compliance with the by-laws of this hospital, to present to you a statement of its general condition; for which purpose the following report, comprising the usual statistical and tabular matters, with such brief remarks as they may suggest, is most respectfully submitted.

TABLE No. 1,
Showing the General Results of the year.

		Males.	Females.	Total.
Patients in the hospital, Oct. 1, 1858,	. .	141	160	301
“ admitted during the year,	. . .	106	94	200
Whole number under treatment,	. . . .	247	254	501
Discharged recovered,	. . . . .	43	46	89
“ improved,	. . . . .	25	27	52
“ not improved,	. . . . .	7	6	13
Died,	. . . . .	20	10	30
Whole number discharged during the year,	. .	95	89	184
“ “ remaining Sept. 30, 1859,	. .	152	165	317

The number of patients in the hospital at the beginning of the year was three hundred and one, of whom one hundred

and forty-one were males, and one hundred and sixty were females.

The number admitted during the year was two hundred, of whom one hundred and six were males and ninety-four were females.

The whole number under treatment during the year was five hundred and one, of whom two hundred and forty-seven were males, and two hundred and fifty-four were females.

The whole number discharged during the year was one hundred and eighty-four, of whom ninety-five were males and eighty-nine were females.

The whole number remaining in the hospital is three hundred and seventeen, of whom one hundred and fifty-two are males and one hundred and sixty-five are females.

Of the one hundred and eighty-four patients discharged, eighty-nine had recovered their full measure of mental and physical health and have returned to their homes and friends clothed in their right minds.

The recoveries were in the ratio of forty-five per cent. to the number admitted, or nearly twenty-six per cent. to the average number of patients in the hospital, and seventy-five per cent. to the number of those whose insanity had existed less than one year.

The proportion of recoveries has frequently been much greater. In 1844 ninety-three per cent. of recent cases recovered; and in 1855 ninety-two per cent. I think you will perceive, however, that the proportion of recoveries is quite satisfactory, and if calculated only upon recent cases, large enough to gratify your highest expectations.

Of the fifty-two discharged as improved, several were sufficiently restored to return to their homes and resume wholly or in part their ordinary labors and duties. Others have become so tranquil and so much improved in physical health as to cause their friends but little anxiety, and to require from them but little care and attention.

A few, although considerably improved and quite comfortable while under the care and protection of the hospital, are demented and hopelessly insane. They have been discharged as harmless and incurable and removed to their homes or to almshouses, thus diminishing to their friends, or the towns

in which they have a settlement, or the Commonwealth, the expense of their support.

Of the thirteen who were discharged as not improved, one was transferred to another hospital by order of the governor; five returned to their homes, and seven went to almshouses, having been discharged as harmless and incurable.

Five thousand nine hundred and seventy-six patients have been admitted into the hospital since it was opened, of whom two thousand nine hundred and thirty-three were males, and three thousand and forty-three were females.

Of this number two thousand and forty-seven have recovered, giving a ratio of nearly forty-six per cent. of recoveries on the whole number of patients admitted, or nearly forty-nine per cent., deducting the number of those who still remain in the hospital.

Nine hundred and seventy-one patients have been discharged "improved," which number added to the number of recoveries, makes the number of persons who have received benefit by a residence in the hospital, three thousand two hundred and fifty-five.

TABLE No. 2,

Showing the Admissions and State of the Hospital, from September 30, 1858, to September 30, 1859, inclusive.

Patients in the hospital September 30, 1858,	.	.	.	.	301
Males,	.	.	.	.	141
Females,	.	.	.	.	160
Patients admitted in the course of the year,	.	.	.	.	200
Males,	.	.	.	.	106
Females,	.	.	.	.	94
Whole number in the hospital in the course of the year,	.	.	.	.	501
Males,	.	.	.	.	247
Females,	.	.	.	.	254
Patients remaining in the hospital September 30, 1859,	.	.	.	.	317
Males,	.	.	.	.	152
Females,	.	.	.	.	165
Of the admissions, there were cases of less duration than one year,	.	.	.	.	119
Males,	.	.	.	.	59
Females,	.	.	.	.	60
Of the admissions, there were cases of one year or more,	.	.	.	.	81
Males,	.	.	.	.	48
Females,	.	.	.	.	33

TABLE No. 2—Continued.

Of the admissions, there were cases, the duration of whose insanity could not be ascertained,										—
Males,										—
Females,										—
Patients committed by Courts,										134
Males,										69
Females,										65
Patients committed by Overseers of the Poor,										20
Males,										16
Females,										4
Patients committed by order of the Governor,										—
Males,										—
Females,										—
Patients on bonds,										46
Males,										21
Females,										25
Foreigners and those who have no settlement in this State, admitted in the course of the year,										71
Males,										36
Females,										35
Foreigners, and those who have no settlement in this State, discharged in the course of the year,										72
Males,										36
Females,										36
Patients discharged by order of the Governer,										2
Males,										2
Females,										—
Foreigners, and those who have no settlement in this State, remaining in the Hospital September 30, 1859,										87
Males,										41
Females,										46
Foreigners and those who had no settlement in this State, remaining at the close of each year, as nearly as can be ascertained:										
1842,	.	.	.	.	34		1851,	.	.	208
1843,	.	.	.	.	38		1852,	.	.	241
1844,	.	.	.	.	38		1853,	.	.	216
1845,	.	.	.	.	57		1854,	.	.	151
1846,	.	.	.	.	52		1855,	.	.	115
1847,	.	.	.	.	121		1856,	.	.	155
1848,	.	.	.	.	150		1857,	.	.	119
1849,	.	.	.	.	167		1858,	.	.	86
1850,	.	.	.	.	181		1859,	.	.	87

The preceding table shows that one hundred and nineteen patients were committed to the hospital whose insanity had existed less than one year. Other tables will show that for a period of twenty-seven years, seventy-five per cent. at least of all patients committed to the hospital who had been insane less than one year, have recovered their mental health and strength. It might also be easily shown that a large majority of those who are committed on the first appearance of insanity are restored during a period of six months.

Indeed, it is conceded by all, that the early administration of the proper remedies and regimen is of the utmost importance in the care and treatment of the insane. When therefore the disease has commenced, the patient should at once be confided to the care of a hospital designed for the special treatment of his malady.

Dr. Conolly, in an admirable paper on hospitals for the insane, remarks, that it seems to have been too much forgotten that in every case of insanity, the first object should be as in other diseases, the restoration of the patient; and that this is often impossible without a removal of the patient from home. All the influences and all the associations of home become perverted in a large majority of cases in this malady; the alarm, and the affections even of surrounding friends, lead to hurtful concessions and indulgences, and to the abandonment of wholesome control, until the bodily disorder present in the first stages of the malady is increased and the mind becomes more and more irritated, thus making recovery much more difficult, if not altogether impossible. The security of the patient and safety of his family then become sufficient reasons for his commitment to the hospital.

Reference to the table will also show the manner of committing patients to this hospital during the last year.

A large majority of the one hundred and thirty-four patients sent to us by the courts, were committed by the judges of probate and insolvency. A few were committed by the police courts, and a still smaller number by justices of the peace and of the quorum.

All those patients who are supported by the charity of the Commonwealth, are necessarily committed by the courts. Many others who possess abundant means for their support but

whose friends prefer a strictly legal process of commitment are sent to us in the same manner.

Twenty were committed by the overseers of the poor of the towns in which the patients had a settlement. The towns in such cases assume all the responsibility and give bonds for the support of the patients while in the hospital. Frequently, however, persons admitted on bonds from overseers of the poor are by no means dependent upon the town for their support. This method of commitment is often chosen because it presents fewer difficulties than any other. The overseers of the poor are, it may be, the patient's neighbors and friends. They know his condition, sympathize with his family, and are ready to offer any assistance in their power.

Forty-six patients have been admitted during the year whose friends gave bonds for the payment of their expenses.

There have been committed during the year seventy-one persons who had no settlement in this Commonwealth, thirty-six of whom were males, and thirty-five were females. Seventytwo have been discharged, of whom thirty-six were males, and thirty-six were females; leaving eighty-seven now resident in the hospital, of whom forty-one are males and forty-six are females.

Thirty-six patients have been admitted during the year who were in a state of dementia more or less complete. Some of these persons were committed from almshouses, where they had become troublesome and required extraordinary attention. Others had been taken care of by friends until all hope of recovery was past and the patient lost to all ideas of propriety.

Patients of this class are undoubtedly improved by a residence in an asylum. Their minds, enfeebled by long continued disease, may be aroused into activity and strengthened to some degree by daily exercise, by the presentation of new and varied scenes of amusements and instruction, by inspiring hope and confidence in the future, and by every means calculated to elevate their feelings and affections, and to form anew correct habits of life.

A few of the delusions of the patients admitted during the year are sufficiently interesting to be recorded.

One of our females firmly believes she is the widow of the Duke of Wellington, and dislikes to answer to any other name

or title than that of the Duchess. Another fancies she is filled with gunpowder, and is in constant dread of being set on fire and blown up. A third, thinks she has some other persons head and fears the rightful owner may call for it, while a fourth believes she has swallowed the sun.

One male patient believes he is Napoleon the Great, and is often violent if addressed by other patients in his proper name. A second, thinks he is a spirit living in the next world, and is surrounded by spirits who control his actions, and cause all his troubles. A third, is filled with devils, who look out through him and who torment him in a great variety of ways, rendering his life inexpressibly miserable. A fourth does not labor with edged tools for fear that some being will descend upon and "cut him up." Another always speaks of himself as the Son of God.

In strong contrast to these and others like them, you have often seen two patients, one male and one female, who with constant exhibitions of violence, destructiveness and filth, have discovered no delusion, but have been clear and coherent amid all their noise and madness.

TABLE No. 3,

Showing the number Admitted, Restored, Improved, Died, etc., in each month during the year.

MONTH.	ADMISSIONS.			REMOVALS.					REMAINING.		
	Males.	Females.	Total.	Restored.	Improved.	Not Improved.	Otherwise.	Total.	Males.	Females.	Total.
October, . . .	8	6	14	3	3	1	6	12	143	160	303
November, . . .	14	3	17	8	3	1	1	13	156	151	307
December, . . .	8	5	13	3	—	—	—	3	163	154	317
January, . . .	7	5	12	7	3	—	1	11	164	154	318
February, . . .	9	5	14	—	3	—	4	7	167	158	325
March, . . .	7	7	14	11	2	1	5	19	159	161	320
April, . . .	12	10	22	14	3	2	1	20	156	166	322
May, . . .	6	11	17	6	7	1	—	14	154	171	325
June, . . .	11	10	21	11	10	1	3	25	158	164	322
July, . . .	13	10	23	11	4	—	3	18	164	163	327
August, . . .	7	12	19	7	6	3.	1	17	165	164	329
September, . . .	4	10	14	8	8	4	5	25	152	165	317
Totals, . . .	106	94	200	89	52	13	30	184			

TABLE No. 4,
*Showing the Form of Disease in those Admitted and Discharged during
the year.*

FORM OF DISEASE..	Admitted.			Discharged.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, Acute, . . .	37	29	66	34	31	65
" Chronic, . . .	3	5	8	1	2	3
" with Epilepsy, . .	7	2	9	4	1	5
" with general Paralysis,	5	—	5	—	—	—
Melancholia,	15	21	36	14	19	33
Dementia,	17	19	36	13	21	34
" Senile,	2	—	2	2	—	2
" with Epilepsy, . .	3	1	4	2	1	3
" with general Paralysis,	2	—	2	—	—	—
Monomania of Fear, . .	5	7	12	1	2	3
" Pride,	1	—	1	—	—	—
" Suspicion,	7	9	16	3	2	5
Idiocy,	2	1	3	1	—	1
Totals,	106	94	200	75	79	154

Sixty-six patients when admitted were suffering from recently developed mania in its ordinary form ; characterized by false sensations, illusions and hallucinations, vicious and extravagant association of ideas, without order or connection ; subject to every caprice of passion or volition ; possessed of great excitability, they are equally diverted and excited by both external objects and their own imaginations, and are readily drawn away to matters having no relation to themselves, thus making their delirium become general, and resulting in a complete overthrow of all the faculties of the understanding.

Five patients had for a long period suffered all the various symptoms of mania, and in the table they are set down as cases of mania in its chronic form.

Nine epileptic patients were admitted who are afflicted with mania often attended with the most violent fury after each attack of epilepsy, and are among our most troublesome patients. Their fury is not generally of long duration, frequently only a few hours, but is blind and dangerous in the extreme.

Five male patients were admitted, in whose cases mania was complicated with general paralysis. Patients of this class are

rarely brought to the hospital during the first stage of the disorder. To friends the malady appears inconsiderable, and we are assured that the patient is not troublesome, or indeed insane; that he is only pleasantly excited—a little exalted in his feelings, and requires only rest and proper treatment to be speedily restored to health.

The progress of the disease is, however, from the period of invasion, in which every thing appears bright and hopeful, although the patient is often irritable and impatient of control, to that of confirmed insanity, resulting in complete and hopeless dementia and death.

Thirty-six patients were admitted whose insanity was of the type of melancholia. Perhaps no class of patients suffer so keenly as those whose disease is of this form. Their lean, slender, stooping persons, pale, sallow features, brown, dry, scaly skins, reddened noses, hollow, changeless expression, uneasy, suspicious glances, all speak of their gloomy fears and forebodings of evil. Fear with all its terrors hangs over them; one believes that, given up to the power of the devil, he shall be led to take the life of his wife or child, and flies from them to seek an asylum where he may be controlled and his family left in safety. Again he fears he has in some mysterious manner committed a heinous crime, and the wrath of God rests upon him.

Another sees all about him persons bent upon his ruin and destruction. To-day he is to suffer—his time is come—his friends have already been most cruelly treated, and he can look for nothing better.

Another accuses herself of having committed the greatest of crimes and justly brought upon her the vengeance of heaven. Now she prefers instant death to the agony of uncertainty, and again she prays for delay in the execution of a sentence from which there is no escape.

This class of patients know well what is done for them, and understand perfectly all that is said; yet kindness and attention, argument and persuasion, always fail to convince them. They can reason clearly enough and appreciate whatever is brought before them. But they are so changed; all their thoughts, feelings and affections are changed. Their habits and mode of life are changed. Their relation to external

objects is changed. No feeling of security can triumph over their fears. No argument can subdue their prejudices. No pleasure can divert their apprehension of evil.

TABLE No. 5.

Supposed Causes of Insanity of Patients admitted to the Hospital from January 18, 1833, to September 30, 1859, inclusive.

SUPPOSED CAUSES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Apoplexy,	—	—	2	—
Asthma,	—	—	2	—
Bowels, Disease of,	—	2	1	—
Brain, Inflammation of,	—	—	1	5
Bronchitis,	—	—	2	13
Chorea,	—	—	—	2
Congenital,	2	—	4	—
Constipation,	—	—	—	1
Convulsions,	—	—	8	6
Dysentery,	—	—	1	2
Dyspepsia,	2	3	2	—
Epilepsy,	9	3	81	34
Eruptive Diseases,	—	—	2	1
Eyes, Disease of, “ Loss of,	—	—	1	—
Fever,	2	1	25	32
“ Scarlet,	—	—	1	3
Hereditary,	13	15	—	—
Ill Health,	12	27	154	502
Influenza,	—	—	1	5
Insolation,	2	—	12	—
Laryngitis,	—	—	—	1
Measles,	—	—	3	4
Nervous Irritation,	—	—	—	4
Nymphomania,	—	—	—	1
Old Age,	2	—	8	4
Otitis,	—	—	3	—
Palsy,	—	1	38	23
Periodical,	17	19	48	56
Pneumonia,	—	—	—	1
Rheumatism,	—	—	3	1
Satyriasis,	—	—	1	—
Scrofula,	—	—	—	2
Sea-sickness,	—	—	—	1
Somnambulism,	—	—	—	1
Sore Finger,	—	—	—	1
Spinal Disease,	—	—	—	1
Suppressed Eruption, “ Ulcer,	—	—	5	4
Tic Doloreux,	—	—	1	3
Tumor,	—	—	—	1

TABLE No. 5—Continued.

SUPPOSED CAUSES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Whooping Cough,	—	—	—	1
Amenorrhœa,	—	2	—	14
Lactation,	—	—	—	5
Menorrhagia,	—	1	—	2
Menorrhagia, Suppressed,	—	4	—	1
Miscarriage,	—	—	—	1
Pregnancy,	—	1	—	3
Puerperal,	—	—	—	141
Turn of Life,	—	6	—	26
Amputation of Leg,	—	—	1	—
Bathing in Cold Water,	—	—	2	—
Cut Foot,	—	—	1	1
Dog Bite,	—	—	1	—
Drinking Cold Water,	—	—	1	—
Dye House, Fumes of,	—	—	1	—
Exposure to Cold,	—	—	6	—
Fall,	—	—	—	4
Fracture of Arm,	—	—	—	1
Injury,	—	—	4	3
Injury of Head,	1	1	44	8
Kick of Horse,	—	—	1	—
Lead, Poison of,	—	—	2	—
Lightning,	—	—	1	1
Loss of Blood,	—	—	1	—
Malformation of Head,	—	—	1	—
Poison,	—	—	1	—
Spinal Injury,	—	—	1	1
Excess of Labor,	—	—	28	51
Loss of Sleep,	—	—	—	3
Fatigue and Exposure,	—	—	3	3
Study, Excessive,	—	—	25	6
Inventions,	—	—	1	—
Excitement,	—	—	2	4
Excitement of Politics,	—	—	1	2
Anticipation of Marriage,	—	2	—	1
Fortune being told,	—	—	—	1
Enthusiasm,	—	—	—	1
Mesmerism,	—	—	—	1
Spiritualism,	—	—	11	14
Light Reading, Novels, &c.,	—	—	—	1
Anxiety,	—	—	2	11
Criminal Trial,	—	—	2	—
False Accusation,	—	—	—	1
Imprisonment,	4	1	1	—
Death of Brother,	2	—	1	3
“ Children,	1	1	3	19
“ Father,	—	—	2	1
“ Friends,	—	—	2	3
“ Husband,	—	2	—	19

TABLE No. 5—Continued.

SUPPOSED CAUSES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Death of Mother,	—	—	1	6
" Niece,	—	—	—	1
" Sister,	—	—	—	3
" Wife,	—	—	10	—
Husband, Departure of,	—	—	—	1
" Sickness of,	—	2	—	3
" Intemperance of,	—	—	—	2
" Desertion of,	—	—	—	2
" Abuse of,	—	—	—	7
Abuse of Master,	—	—	1	—
" Parent,	—	—	1	2
Domestic Trouble,	3	2	59	136
" Grief,	—	1	56	137
" Cares,	—	—	—	1
Marriage, Unfit,	—	—	4	2
Disappointment,	—	—	4	7
Disappointment in Love,	—	—	47	51
Disappointed Ambition,	—	—	6	6
Homesickness,	—	—	1	5
Lost in Woods,	—	—	—	1
Shipwreck,	—	—	1	—
Fright,	—	—	10	17
Fear,	—	—	2	—
" of Death,	—	—	1	1
" of Insanity,	—	—	1	—
Being Witness in Court,	—	—	—	1
Seduction,	—	—	—	1
Millerism,	—	—	5	5
Religious,	—	—	89	142
" Anxiety,	1	1	1	4
" Excitement,	—	—	13	8
" Fanaticism,	—	—	13	7
" Perplexity,	—	—	9	3
Pathetism,	—	—	—	1
Infidelity,	—	—	1	—
Mormonism,	—	—	1	—
Pecuniary Anxiety,	—	—	18	5
" Difficulty,	—	—	55	8
" Loss,	4	1	43	10
Strike for Wages,	—	—	1	—
California Excitement,	—	—	2	—
Poverty,	—	—	—	1
Poverty, Fear of,	2	—	28	11
Giving up Business,	—	—	1	—
Change of Business,	—	—	1	—
Indulgence of Parents,	—	—	3	1
Jealousy,	—	—	17	23
Passion uncontrolled,	—	—	—	1
Violent Temper,	—	—	1	14

TABLE No. 5—Continued.

SUPPOSED CAUSES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Anger,	—	—	—	1
Great Indignation,	—	—	1	—
Intemperance,	15	7	424	48
Opium, use of,	—	—	1	4
Tobacco, use of,	—	—	1	3
Masturbation,	7	3	235	25
VENERY, Excess of,	—	—	1	—

From the foregoing table it will be seen that hereditary predisposition was admitted in twenty-eight cases. It is quite probable that predisposition to the disease by hereditary taint existed in a much larger number of cases, as the fact is often ignored by friends, especially when some immediate exciting cause is well known and acknowledged.

The records of the hospital show that fourteen hundred and forty-eight persons have been admitted since its opening, in whom hereditary taint was known and acknowledged to exist.

The hereditary cases, it will thus be seen, are in the ratio of twenty-four per cent. to the whole number admitted. There can be no doubt, however, that a strict investigation would show a larger proportion.

Forty persons admitted during the year were known to have suffered from previous attacks of mental disease, and therefore labored under predisposition to insanity. Many of these cases were also strongly hereditary.

Thirteen females and seven males admitted during the year suffered from suicidal mania, and, as usual in such cases, gave us much care and anxiety.

Three females and four males admitted in the course of the year, were afflicted with homicidal insanity, of a marked character.

Intemperance was the ascribed cause in twenty-two cases, fifteen of which were males, and seven were females. This is in the ratio of eleven per cent. to the admissions, which is a larger proportion than that of several years preceding. In 1833 the ratio of cases caused by intemperance to the whole number

of admissions, was twenty-five per cent.; in 1834, twenty-four per cent.; in 1835, twenty-three per cent.; in 1836, fifteen per cent.; in 1838, sixteen per cent.; in 1840 and 1841, twelve per cent., while in 1848, 1851, 1853, 1854, it was only two per cent., and in 1855 one per cent.

Ill health, as usual, is the ascribed cause in the largest number of cases. Thirty-nine persons admitted during the year were suffering from ill health, previous to the development of insanity.

Since the opening of the hospital six hundred and ninety-five patients have been admitted, whose insanity was caused by a bad state of health, five hundred and twenty-nine of whom were females, and one hundred and sixty-six were males.

By a calculation based upon the foregoing table, it will be seen that seven hundred and thirty-three women, and four hundred and sixty-six men, making in all eleven hundred and ninety-nine persons, have become insane from the influence of fear, grief, disappointment, trouble, affliction and other depressing emotions, giving a ratio of more than twenty per cent. to the whole number of admissions.

TABLE No. 6.

Diseases which have proved Fatal, from January 18, 1833, to September 30, 1859.

DISEASES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Apoplexy,	1	—	14	9
Asthma,	1	—	3	1
Anæmia,	—	—	1	1
Asphyxia,	—	—	1	—
Bronchitis,	—	—	2	—
Brain Fever,	—	—	1	—
Consumption,	3	2	31	51
Convulsions,	—	—	3	1
Cholera Morbus,	—	—	2	3
Cholera,	—	—	5	—
Cancer,	—	—	1	1
Congestion of Lungs,	—	—	—	1
" Brain,	—	—	1	1
Chronic Dysentery,	—	—	2	—
" Menengitis,	—	—	3	—

TABLE No. 6—Continued.

DISEASES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Dysentery,	—	—	10	6
Dropsy,	—	—	5	7
Delirium Tremens,	—	—	3	—
Disease of Heart,	—	—	9	11
" Bladder,	—	—	1	—
" Brain,	—	—	6	14
Diarrhœa,	—	—	13	8
Enteritis,	—	—	3	6
Epilepsy,	5	1	45	17
Exhaustion,	2	1	27	43
Erysipelas,	—	—	9	10
Gangrene of Lungs,	—	1	1	1
Hydro-thorax,	—	—	1	1
Hemorrhage,	—	—	4	4
Hemoptysis,	—	—	1	—
Inflammation of Bowels,	—	—	3	3
Jaundice,	—	—	—	2
Marasmus,	2	2	45	47
Mortification,	—	—	—	1
Maniacal Exhaustion,	—	1	4	2
Malignant Fever,	—	—	1	—
Old Age,	2	—	13	10
Palsy,	3	1	15	14
Pneumonia,	—	—	9	15
Pleurisy,	—	—	—	1
Rupture,	—	—	1	—
Syncope,	—	—	1	—
Suicide,	1	—	13	8
Suppurative Phlebitis,	—	—	1	—
Typhoid Fever,	—	—	8	6
Typho Mania,	—	1	7	4
Totals,			329	310

The foregoing table shows that two patients only have died during the year of any form of acute disease. They were females, and suffering from recent attacks of mania. Both were brought to the hospital in an exhausted condition, and died in two weeks after admission.

One male committed suicide after a residence in the hospital of five weeks.

Two males and one female died of exhaustion. They were old and feeble, and had long been insane. Their decay was so gradual that we could perceive little change from day to day, or week to week. They suffered no apparent pain or distress.

Five males and one female died of epilepsy. They were all cases of long standing, and had become quite demented, and had for months been in feeble health.

Three males and two females died of consumption. The development of tubercles doubtless had some influence as an immediate and exciting cause of their mental disorder.

One female died of gangrene of the lungs. She was ill when brought to the hospital.

Two males and two females who had previously been inmates of several charitable institutions, died of marasmus.

Three males and one female died of palsy, and two males died who were each more than seventy-five years of age.

It is proper to remark in passing, that some of the above named patients should have been cared for by friends. They were old and feeble when brought to the hospital. They were not violent or destructive. Age and dementia had done its work, and made them somewhat repulsive in their habits. They required care and attention; but their struggle for life was almost at an end. The objects of their labor had been attained or lost; their parts acted in the great drama; and all the kind attention of love and affection, all the endearments of home should have been lavished on the closing scene.

TABLE No. 7,

Showing the Ages of Patients Admitted, Discharged, Recovered, not Recovered, and Died during the year.

AGE.	ADMITTED.		DISCHARGED RE-COVERED.		DISCHARGED NOT RECOVERED.		DIED.	
			Males.	Females.	Males.	Females.	Males.	Females.
	Males.	Females.						
Less than 15, .	5	2	—	1	1	1	1	—
From 15 to 20,	10	4	2	1	1	2	—	—
20 to 30,	33	32	9	9	5	3	1	—
30 to 40,	23	27	17	18	9	8	3	2
40 to 50,	17	20	9	10	11	14	4	3
50 to 60,	9	5	2	3	3	3	5	2
60 to 70,	6	4	3	4	2	2	3	3
70 to 80,	3	—	1	—	—	—	3	—
80 to 90,	—	—	—	—	—	—	—	—
Totals, . . .	106	94	43	46	32	33	20	10

TABLE No. 8,

Showing the Duration of Insanity before admission of Patients admitted from January 18, 1833, to September 30, 1859.

DURATION OF INSANITY.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Insane less than 1 year,	59	60	1,406	1,641
Insane more than 1 y'r and less than 2 y'rs,	14	11	326	287
2 y'rs and less than 5 y'rs,	15	10	427	373
5 y'rs and less than 10 y'rs,	7	3	216	176
10 y'rs and less than 15 y'rs,	4	5	115	127
15 y'rs and less than 20 y'rs,	2	1	35	36
20 y'rs and less than 25 y'rs,	1	2	37	39
25 y'rs and less than 30 y'rs,	1	—	16	9
30 years,	—	—	24	24
Unascertained,	3	2	225	237
Total,	106	94	2,827	2,949

TABLE No. 9,

Showing the Ages of Patients admitted to the Hospital from January 18, 1833, to September 30, 1859.

AGES.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Less than 15 years of age,	5	2	20	26
Between 15 and 20 years of age,	10	4	206	194
20 and 30 " "	33	32	829	806
30 and 40 " "	23	27	731	813
40 and 50 " "	17	22	459	501
50 and 60 " "	9	5	328	376
60 and 70 " "	6	4	187	148
70 and 80 " "	3	—	51	53
More than 80 years of age,	—	—	8	15
Unascertained,	—	—	8	17
Totals,	106	94	2,827	2,949

TABLE No. 10,

Showing the Civil Condition of Patients admitted to the Hospital from January 18, 1833, to September 30, 1859.

CIVIL CONDITION.	1859.		Previously.	
	Males.	Females.	Males.	Females.
Unmarried,	55	40	1,417	1,340
Married,	48	42	1,226	1,215
Widowers,	3	—	141	—
Widows,	—	12	—	357
Unascertained,	—	—	43	37
Totals,	106	94	2,827	2,949

TABLE No. 11,

Showing the Admissions from each County from January 18, 1833, to September 30, 1859.

COUNTIES.	1859.			Previously.	Whole No.
	Males.	Females.	Total.		
Barnstable,	—	—	—	126	126
Berkshire,	—	1	1	184	185
Bristol,	—	2	2	287	289
Dukes,	—	—	—	19	19
Essex,	22	20	42	773	815
Franklin,	—	—	—	123	123
Hampden,	—	—	—	351	351
Hampshire,	—	—	—	220	220
Middlesex,	31	23	54	778	832
Nantucket,	—	—	—	31	31
Norfolk,	5	6	11	570	581
Plymouth,	2	—	2	231	233
Suffolk,	11	12	23	614	637
Worcester,	35	30	65	1,452	1,517
Other States,	—	—	—	17	17
Totals,	106	94	200	5,776	5,976

TABLE No. 12,

Showing the Occupation of Patients admitted into the Hospital from January 18, 1833, to September 30, 1859, inclusive.

OCCUPATION OF PATIENTS.	1859.	Previously.
MALES.		
Auctioneers,	—	3
Armorers,	—	3
Author,	—	1
Blacksmiths,	—	34
Bakers,	—	6
Butchers,	1	5
Bookbinders,	—	7
Boot-makers,	2	15
Brokers,	1	2
Bookkeepers,	1	5
Britannia-workers,	—	2
Brickmakers,	—	5
Bellows-makers,	—	2
Brewers,	—	2
Basket-makers,	—	—
Bricklayers,	1	3
Butlers,	—	2
Barbers,	—	3
Clergymen,	1	18
Carpenters,	2	115
Coppersmiths,	—	6
Coopers,	—	16
Cabinet-makers,	2	9
Calico-printers,	—	3
Clothiers,	—	17
Comb-makers,	—	4
Coach-makers,	1	7
Card-makers,	—	2
Chair-makers,	1	3
Cigar-makers,	—	3
Coachmen,	—	16
Clerks,	3	26
Carpet weaver,	—	1
Curriers,	—	7
Cashiers of Banks,	—	4
Cordwainers,	—	4
Collectors,	—	2
Caulkers,	—	4
Chandlers,	—	5
Camphene distiller,	—	1
Conductors on railroads,	—	2
Dyers,	—	4
Druggists,	—	3
Draymen,	—	3
Drover,	—	1

TABLE NO. 12—Continued.

OCCUPATION OF PATIENTS.	1859.	Previously.
Dancing master,	.	1
Daguerreotypist,	.	1
Engravers,	.	3
Editors,	.	4
Express-men,	.	3
Farmers,	.	450
Fishermen,	.	13
Fruiterers,	.	4
Gunsmiths,	.	3
Gardeners,	.	9
Grocers,	.	3
Glass-blowers,	.	3
Gilders,	.	2
Hotel-keepers,	.	15
Hatters,	.	3
Hostlers,	.	9
Housewrights,	.	7
Harness-makers,	.	7
Ironmongers,	.	3
Jewellers,	.	11
Lawyers,	.	12
Laborers,	.	322
Last-makers,	.	1
Manufacturers,	.	31
Millers,	.	6
Merchants,	.	111
Masons,	.	17
Miners,	.	5
Mat-makers,	.	3
Miniature painter,	.	1
Musicians,	.	7
Machinists,	.	30
Messengers,	.	2
Moulders,	.	6
Millwright,	.	1
Millers,	.	4
Nailer,	.	1
Newsmen,	.	3
Optician,	.	1
Operatives in mill,	.	49
Oystermen,	.	4
Painters,	.	28
Printers,	.	29
Physicians,	.	11
Paper-makers,	.	4
Peddlers,	.	17
Pilot,	.	1
Potters,	.	3
Porters,	.	9
Pump and blockmakers,	.	3

TABLE No. 12—Continued.

OCCUPATION OF PATIENTS.	1859.	Previously.
Pattern-makers,	.	5
Police officers,	.	4
Rope-makers,	.	9
Riggers,	.	3
Restaurators,	.	7
Shoemakers,	.	195
Sail-makers,	.	9
Soap-makers,	.	4
Sash and blind-makers,	.	2
Stage drivers,	.	4
Sea captains,	.	15
Sailors,	.	97
Saddlers,	.	9
Silversmiths,	.	19
Students,	.	49
Stock-maker,	.	1
Silk-weavers,	.	2
Ship carpenters,	.	17
Ship brokers,	.	2
Shopkeepers,	.	3
Stonecutters,	.	14
Soldiers,	.	5
Spinners,	.	13
Sheriffs,	.	3
Shoe dealers,	.	3
Stable keepers,	.	2
Shoe binders,	.	7
Tailors,	.	14
Teachers,	.	50
Tobacconists,	.	3
Teamsters,	.	12
Tinmen,	.	2
Umbrella-makers,	.	4
Victuallers,	.	3
Wheelwrights,	.	13
Watchmakers,	.	4
Wood-turners,	.	3
Watchman,	.	1
Whip-maker,	.	1
Weavers,	.	17
No occupation,	.	—
FEMALES.		
Carpet weavers,	.	2
Cooks,	.	55
Chamber maids,	.	33
Dress-makers,	.	51
Engraver,	.	1
Housekeepers,	.	994
House maids,	.	135

TABLE No. 12—Continued.

OCCUPATION OF PATIENTS.	1859.	Previously.
Laundresses,	1	52
Milliners,	1	26
Mantuamakers,	—	6
Midwife,	—	1
Nurses,	1	13
Nurserymaids,	3	18
Operatives in mill,	9	124
Seamstresses,	5	312
Straw-sewers,	—	10
Shoe-binders,	1	16
Students,	—	4
School girls,	3	41
Teachers,	3	58
Tailoresses,	2	36
Type-setters,	1	1
Wool stapler,	—	1
Weavers,	1	17
No occupation,	6	—

TABLE No. 13,

Showing the whole number of Patients during the last year, the average number, the number at the end of each year, the expense of each year, and the annual expense for each patient for each of the twenty-seven years the Hospital has been in operation.

Year.	Whole No.	Average No.	No. at end of each year.	Current expenses of each year.	Annual expense for each patient.
1833, .	153	107	114	\$12,272 91	\$114 67
1834, .	233	117	118	15,840 97	135 38
1835, .	241	120	119	16,576 44	137 30
1836, .	245	127	138	21,395 28	168 44
1837, .	306	163	185	26,027 07	159 64
1838, .	362	211	218	28,739 40	136 20
1839, .	397	223	229	29,474 41	132 16
1840, .	391	229	236	27,844 98	121 59
1841, .	399	233	232	28,847 62	123 81
1842, .	430	238	238	29,546 87	111 12
1843, .	458	244	255	27,914 12	114 40
1844, .	491	261	263	29,278 75	112 17
1845, .	656	316	360	43,888 65	138 88
1846, .	637	359	367	39,870 37	111 06
1847, .	607	377	394	39,444 47	104 62
1848, .	655	404	409	42,860 05	106 09
1849, .	682	420	429	40,870 86	97 31
1850, .	670	440	441	46,776 13	106 40
1851, .	704	462	466	52,485 33	112 61
1852, .	775	515	532	43,878 35	85 20
1853, .	820	537	520	53,606 66	103 14
1854, .	819	430	381	53,221 52	123 77
1855, .	580	349	336	54,895 88	157 29
1856, .	577	357	376	45,631 37	128 64
1857, .	647	387	372	49,004 75	124 04
1858, .	679	372	301	38,267 26	102 86
1859, .	501	309	317	48,363 33	156 51

TABLE No. 14,
Showing the Statistics of the Hospital from January 18, 1833, to September 30, 1859.

	1831.	1832.	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	
Whole number admitted,	153	199	113	125	168	177	179	162	163	198	220	336	293	277	240	261	273	241	263	309	288	299	199	241	271	307	200			
Whole number discharged,	39	115	112	106	121	144	168	155	167	191	203	228	228	243	300	438	244	207	275	376	184									
Discharged recovered,	25	64	52	58	69	76	80	82	88	116	124	122	154	103	136	138	125	111	103	145	122	109	97	150	127	89				
Discharged improved,																														
Discharged not improved,																														
Died,																														
Eloped,																														
Whole number in hospital course of the year,	153	233	241	245	306	362	397	391	399	430	458	491	556	637	607	655	682	670	704	775	820	819	580	577	647	679	501			
Number remaining at the end of each year,	114	118	109	138	185	218	229	236	238	255	263	360	367	394	409	429	441	466	532	520	381	336	376	372	301	317				
Males admitted,	6	57	66	94	96	80	75	73	107	111	109	164	138	105	128	129	125	148	136	125	86	112	126	142	106					
Females admitted,	57	51	62	59	74	81	99	87	90	91	109	127	129	139	135	133	139	112	138	161	152	174	113	129	145	165	94			
Males discharged,																														
Females discharged,																														
Males died,																														
Females died,																														
Sent in by courts,																														
Sent in by friends and overseers,																														
Sent in by governor's warrant,																														
Males recovered,																														
Females recovered,																														
Average number in hospital,	107	117	120	127	163	211	223	229	233	238	244	261	316	359	377	404	420	440	462	515	520	430	349	357	387	372	309			

TABLE No. 15,
Per Cent.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.							
Per cent. of recovery of recent cases,	.	.	-	82	84	89	86	90	91	91	91	88	93	89 $\frac{1}{2}$	79	72	86	84	87	82	77	83	80	92	78	76	78	75						
Per cent. of recovery of all discharged,	.	.	-	54	46	53	57	52	47	53	49	46	59	54	62 $\frac{1}{2}$	57	49	55	54	46	42	46	52	45	48	65	34	48						
Per cent. of recovery of old cases,	.	.	-	20	18	19	25	15	17	22	21	16	29	24	31 $\frac{1}{2}$	28	17	19	24	21	18	18	24	29	17	15	30	20	18					
Per cent of admissions of the most prominent causes each year:—																																		
Ill health,	8	18	21	22	21	28	27	25	23	18	16	15	13	11	17	18	18	18	17	19	23	17	19				
Religious,	9	6	7	6	9	5	4	4	9	13	9	7	10	6	1	2	4	2	3	4	3	1	-	1			
The affections,	14	12	17	16	16	15	25	17	13	15	9	10	14	1	12	11	10	8	11	6	2	2	5	7			
Property,	7	11	9	6	6	10	6	5	4	5	7	3	9	5	3	2	4	3	2	2	1	1	3	1			
Intemperance,	25	24	23	15	10	16	8	12	12	8	6	8	10	10	7	5	4	3	2	2	4	2	9	9			
Masturbation,	5	6	7	16	21	6	8	7	6	4	3	2	6	3	2	2	4	3	4	2	4	1	5				
Per cent. of deaths of all in the Hospital each year,	2.61	3.43	3.31	3.26	2.94	4.42	5.53	3.83	3.	2.79	4.08	3.05	4.31	5.96	4.94	4.58	5.42	8.05	5.53	5.81	5.	5.58	4.06	6.	6.8	5.1	6.
Per cent. of deaths of average number of residents each year,	3.07	6.08	6.66	6.03	5.05	7.58	9.86	6.55	5.15	5.	9.	5.74	7.59	10.55	7.95	7.92	9.	12.95	8.	8.73	7.88	7.09	7.07	9.08	11.	9.1	9.7

TABULAR VIEW

Of the Condition of the Patients in the State Lunatic Hospital, from Oct. 1, 1858, to Sept. 30, 1859; inclusive..

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
1833	2 Jan.	22	Male	Widower	Religious, . . .	17 years	The Court	26 yrs	8 mths	Remains	Not improved	Homicidal.
1837	582 May	26	Female	Single	Love affair, . . .	6 months	Friends	22 yrs	4 mths	do	do	do
1838	876 Dec.	28	Male	do	Unknown, . . .	3 do	The Court	20 yrs	9 mths	do	do	do
1839	895 Mar.	1	Female	do	Ill health, . . .	2 do	The Overseers	20 yrs	6 mths	do	do	do
1840	973 Aug.	5	Male	do	Masturbation, . . .	9 years	The Court	20 yrs	2 mths	do	do	do
1840	1092 April	21	Female	do	Ill health, . . .	6 do	do	19 yrs	5 mths	do	Not improved	
1841	1156 Sept.	4	Male	Married	Unknown, . . .	2 do	do	19 yrs	1 mth	do	Improved	
1841	1252 April	29	Female	do	Ill health, . . .	2 months	The Friends	18 yrs	5 mths	do	do	Pauper from England.
1842	1390 Jan.	24	Male	Single	Masturbation, . . .	6 years	The Court	17 yrs	8 mths	do	Not improved	
1842	1409 Feb.	28	do	do	Unknown, . . .	2 do	do	17 yrs	7 mths	do	do	do
1842	1481 July	15	do	do	do	13 do	do	17 yrs	2 mths	do	do	do
1842	1531 Oct.	11	do	do	do	13 do	do	17 yrs	do	do	do	do
1842	1565 Dec.	7	do	do	Masturbation, . . .	3 months	do	16 yrs	9 mths	do	Improved	
1843	1583 Jan.	28	do	do	do	do	do	16 yrs	9 mths	do	Not improved	
1843	1655 May	18	Female	do	Unknown, . . .	1 year	do	16 yrs	4 mths	do	do	do
1843	1696 July	15	do	do	Ill health, . . .	2 years	do	16 yrs	2 mths	do	do	do
1843	1772 Nov.	16	Male	do	Masturbation, . . .	7 do	do	15 yrs	10 mths	do	do	do
1844	1981 Oct.	2	Female	Married	Unknown, . . .	5 do	do	15 yrs	do	do	do	
1844	1985 do	12	do	do	do	2 do	do	15 yrs	do	do	do	
1845	2047 Jan.	8	36	do	do	do	do	14 yrs	7 mths	do	Oversseers	
1845	2048 Jan.	9	21	Male	Single	do	do	14 yrs	3 mths	Died	Friends	Epilepsy

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.
1853	Sept. 2	39	Female	Married	Unknown, Injury on head,	Unknown	Overseers Probate Court	6 yrs 1 mth	Remains	Not improved	Periodical.
4395	do 9	46	Male	do	Unknown, do	1 week	Probate Court	5 yrs 11 mths	Died	Old age	do
4401	do 20	32	Female	do	Unknown, do	10 months	do	6 years	Remains	Not improved	do
4409	do 23	23	do	do	do	1 year	Overseers	6 years	do	do	do
4414	do 19	30	do	do	Over exertion, Unknown, do	3 years	Probate Court	6 years	do	do	do
4431	Dec. 26	40	do	Single	do	1 month	do	5 yrs 9 mths	Discharged	Improved	do
1854	Jan. 13	63	Male	Widower	do	20 years	Overseers Probate Court	5 yrs	Remains	do	do
4493	do 16	59	do	Married	Intemperance, Love affair and religion,	3 do	do	8 mths	Died	Epilepsy	do
4497	do 13	42	Female	Single	do	20 do	Munic'l Court	4 yrs	Remains	Not improved	do
4566	April 20	38	do	do	Epilepsy, Unknown, do	years	Gov. warrant	5 yrs	do	Improved	do
4570	do 28	53	do	do	Epilepsy, Unknown, do	2 do	Overseers	5 yrs	do	do	do
4586	June 4	35	do	do	Epilepsy, Unknown, do	2 do	Probate Court	5 yrs	do	Not improved	do
4613	do 15	40	do	do	do	1 year	do	3 mths	do	Improved	do
4629	do 22	34	Male	Married	Masturbation, Unknown, do	do	Overseers Probate Court	5 yrs	do	Not improved	do
4637	do 23	36	do	Single	do	2 months	do	10 mths	Remains	Improved	do
4640	do 3	66	do	Married	Loss of wife, do	years	Overseers	5 yrs	do	do	do
4650	July 3	54	do	Widower	do	11 do	Probate Court	5 yrs	do	Marasmus	do
4651	do 3	45	do	Married	Unknown, do	years	do	9 mths	Remains	Improved	do
4684	Aug. 31	65	do	Widower	do	do	Overseers	5 yrs	Died	Not improved	do
4688	Sept. 2	25	Female	Unknown	do	do	Probate Court	5 yrs	do	do	do
4705	do 13	25	do	Married	do	9 do	do	1 mth	do	do	do
4710	do 28	27	do	Single	do	3 days	do	5 years	do	Improved	do
4721	Oct. 11	43	Male	do	do	3 years	Overseers	4 yrs	do	Not improved	do
4727	do 23	34	Female	do	do	years	do	11 mths	do	do	do
4741	Nov. 16	23	do	Masturbation, Unknown, do	do	5 do	do	4 yrs	do	do	do
4742	do 18	30	Male	do	do	months	C. C. Pleas	10 mths	do	do	do
4746	do 20	42	do	do	do	21 years	Probate Court	4 yrs	do	do	do
1855	Feb. 2	12	do	do	do	do	do	7 mths	do	do	do
4788	do 17	45	Female	Married	do	do	Unknown	4 yrs	7 mths	do	do
4794	do 24	29	do	Single	do	do	Probate Court	4 yrs	7 mths	do	do
4798	do 18	44	Male	do	do	do	do	3 yrs	9 mths	do	do
4832	April 18	40	do	do	do	do	do	4 yrs	5 mths	do	do
4851	May 17	40	do	Married	do	do	do	4 yrs	4 mths	do	do

[Oct.]

TABULAR VIEW—Continued.

TABULAR VIEW—Continued.

No.	Time of Admissn.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.
										Hereditary.	Periodical.
	1868										
5630	July 13	23	Male	Unknown	Unknown	3 years	Just. P. and Q.	1 yr	3 mths	Remains	
5633	do 19	63	Female	Single	do	2 years	Probate Court	1 yr	2 mths	do	
5636	do 21	50	do	Widow	do	20 do	do	1 yr	2 mths	do	
5637	do 22	50	do	Single	do	12 do	Overseers	4 months	Died	Marasmus	
5638	do 23	59	Male	Epilepsy,	do	2 months	Private Bond	7 months	Discharged	Recovered	do
5639	do 27	15	do	Unknown,	do	2 years	do	5 months	do	Not improved	
5642	do 29	39	do	do	do	years	do	4 months	do	Recovered	do
5646	Aug. 5	41	Female	Married	do	4 months	Probate Court	10 months	do	Recovered	do
5647	do 6	10	do	Single	do	3 years	do	3 months	do	Not improved	
5649	do 9	30	do	do	do	1 year	Police Court	8 months	do	Recovered	do
5652	do 11	45	do	Unknown	do	Unknown	Police Court	1 yr	2 mths	Remains	
5655	do 13	35	Male	Hard work,	do	1 week	Overseers	1 yr	2 mths	do	
5656	do 14	25	do	Epilepsy,	do	3 years	Probate Court	1 yr	2 mths	Discharged	
5657	do 14	25	do	Unknown,	do	Unknown	Private Bond	5 months	do	Not improved	
5658	do 17	25	Female	do	do	do	Just. P. and Q.	1 yr	1 mth	Recovered	
5660	do 19	37	do	Married	do	2 months	Probate Court	11 months	do	Recovered	
5662	do 23	36	do	do	do	do	do	3 months	do	Recovered	
5663	do 25	74	do	Widow	do	do	do	1 yr	1 mth	Phthisis	
5664	do 27	58	Male	Married	do	do	do	1 yr	1 mth	Recovered	
5665	do 28	32	Female	do	do	do	do	1 yr	1 mth	Recovered	
5667	do 30	50	do	Unknown	do	do	do	1 yr	1 mth	Recovered	
5669	do 30	51	do	Widow	do	do	do	1 yr	1 mth	Recovered	
5670	do 30	45	do	Married	do	do	do	1 yr	1 mth	Recovered	
5671	do 30	39	do	Single	do	do	do	1 yr	1 mth	Recovered	
5672	do 30	32	Male	Masturbation,	do	do	do	1 yr	1 mth	Recovered	
5673	do 30	42	Female	Religious,	do	5 years	do	1 yr	1 mth	Recovered	
5674	do 30	38	do	Unknown,	do	do	do	1 yr	1 mth	Recovered	
5675	do 30	35	do	do	do	do	do	1 yr	1 mth	Recovered	
5677	do 30	40	Male	Widow	do	do	do	10 months	do	Recovered	
5682	do 30	26	do	Married	do	do	do	1 yr	1 mth	Recovered	
5683	do 30	18	do	Unknown	do	do	do	1 yr	1 mth	Recovered	
5685	do 30	40	do	do	do	do	do	5 months	do	Recovered	
5688	do 30	30	do	do	do	do	do	do	do	Recovered	

Suicidal.
Pauper from Ireland.do
do

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	In what state.	Discharged or Remaining.	Suicidal.	Homicidal.	Hereditary.	Periodical.
1858	Sept. 20	18	Female	Single	Unknown, do	do	do	Unknown Gov. Order	Remains	Improved	Pauper from Ireland.		
5748	do	50	do	do	Unknown, do	do	do	do	Died	Paralysis	Pauper from Maine.		
5749	do	40	do	do	Married	do	do	do	Discharged	Improved	Pauper from Ireland.		
5750	do	55	do	do	Unknown	do	do	do	do	do	do		
5751	do	20	do	do	do	do	do	do	do	do	do		
5752	do	20	40	do	do	do	do	do	do	do	do		
5753	do	20	55	do	do	do	do	do	do	do	do		
5754	do	20	35	do	do	do	do	do	do	do	do		
5755	do	20	50	do	do	do	do	do	do	do	do		
5756	do	20	35	do	do	do	do	do	do	do	do		
5757	do	20	50	do	do	do	do	do	do	do	do		
5758	do	20	30	do	do	do	do	do	do	do	do		
5759	do	20	40	do	do	do	do	do	do	do	do		
5760	do	20	50	do	do	do	do	do	do	do	do		
5761	do	20	65	do	do	do	do	do	do	do	do		
5762	do	20	45	do	do	do	do	do	do	do	do		
5763	do	20	30	Female	Single	do	do	do	do	do	do		
5764	do	20	44	do	do	do	do	do	do	do	do		
5765	do	20	30	do	do	do	do	do	do	do	do		
5766	do	20	32	do	do	do	do	do	do	do	do		
5767	do	22	68	do	Epilepsy,	do	do	do	do	do	do		
5768	do	25	48	Female	Domestic affliction,	do	do	do	do	do	do		
5769	do	25	25	Male	Unknown, do	do	do	do	do	do	do		
5770	do	45	40	Female	Domestic affliction,	do	do	do	do	do	do		
5771	do	25	48	Married	Unknown, do	do	do	do	do	do	do		
5772	do	28	48	Female	Domestic affliction,	do	do	do	do	do	do		
5773	do	29	45	Male	Unknown, do	do	do	do	do	do	do		
5774	do	30	30	Female	Domestic affliction,	do	do	do	do	do	do		
5775	do	30	25	Male	Unknown, do	do	do	do	do	do	do		
5776	do	30	35	Female	Domestic affliction,	do	do	do	do	do	do		
5777	Oct. 5	25	do	Married	Unknown, do	do	do	do	do	do	do		
5778	do	6	36	Male	Unknown, do	do	do	do	do	do	do		
5779	do	6	Unk.	Single,	Unknown, do	do	do	do	do	do	do		
5780	do	9	25										

Pauper from Germany.
Periodical.

Hereditary.

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.
									In what state.	Hereditary.	Periodical.
1859	Jan.	78	Male	Married	Unknown, Epilepsy, Unknown,	3 years	Private Bond	2½ months	Died	Old Age Improved	Hereditary.
55821	do	36	Female	do	Epilepsy, Unknown,	2 do	do	9 months	Remains	do	
55822	do	25	Female	Single	Unknown,	6 months	Overseers	9 months	Discharged	Recovered	
55823	do	6	Male	Married	do	3 do	Probate Court	3 months	Remains	Improved	
55824	do	6	Male	Unknown	do	Unknown	Just. P. and Q.	9 months	Discharged	do	
55825	do	11	Female	do	do	3 years	do	6 months	do	Recovered	
55826	do	11	Female	Married	do	6 months	do	8 months	do	do	
55827	do	11	Male	do	do	6 weeks	do	3 months	do	Recovered	
55828	do	11	Female	do	do	6 months	Probate Court	4 months	do	Recovered	
55829	Jan.	20	Male	do	do	5 do	Just. P. and Q.	5 months	do	Recovered	
55830	do	31	Female	Unknown	do	3 do	do	6 months	do	Epilepsy	
55831	do	31	Male	do	Masturbation, Epilepsy,	Unknown	G'ngr'eLungs	3 months	Died	do	
55832	do	31	Male	do	do	3 weeks	Probate Court	7 months	Remains	Improved	
55833	Feb.	2	Female	do	Unknown, Over exertion,	2 do	do	8 months	Discharged	Recovered	
55834	do	4	Male	Married	Unknown,	1 year	Just. P. and Q.	2½ months	Remains	Not improved	
55835	do	10	Male	do	Masturbation,	Unknown	Probate Court	8 months	Discharged	Recovered	
55836	do	10	Female	Single	Unknown,	years	do	6 months	do	do	
55837	do	11	Male	Widow	Masturbation,	6 months	Private Bond	1½ months	do	do	
55838	do	14	Male	Married	Hard labor,	1 year	do	3 months	do	do	
55839	do	16	Female	Single	Unknown,	1 week	Probate Court	2 months	do	do	
55840	do	16	Male	Married	Hard labor,	Unknown	Munic'l Court	5 months	do	do	
55841	do	17	Male	do	do	3 days	Probate Court	13 days	do	do	
55842	do	19	Female	Married	Loss of children, Unknown,	Unknown	Munic'l Court	7 months	do	do	
55843	do	21	Male	Single	do	do	Probate Court	7 months	do	do	
55844	do	21	Female	do	Domestic affliction, Unknown,	10 days	Probate Court	7 months	do	do	
55845	do	27	Male	Married	do	5 months	do	7 months	do	do	
55846	do	28	Female	Single	do	do	Private Bond	7 months	do	do	
55847	Mar.	3	Male	Married	do	1 week	Overseers	9 days	Died	Recovered	
55848	do	10	Female	Widow	do	1 do	Probate Court	4 months	Discharged	Improved	
55849	do	14	Male	Married	do	1 week	do	7 months	Remains	Typhomania	
55850	do	19	Female	Single	do	1 week	Probate Court	6 days	Died	Recovered	
55851	do	45	Male	do	Intemperance,	3 weeks	Munic'l Court	6 months	Remains	Improved	
55852	do	22	Female	do	Unknown,	years	Private Bond	1 month	Died	Recovered	
55853	do	23	Male	Married	do	do					

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.
											Hereditary.	Periodical.
1859												
5894	May	23	Female	Widow	Unknown, Religious excitement,	3 weeks	Munic'l Court	4 months	Improved			
5895	do	23	Male	Married	Unknown	2 years	Probate Court	2 months	do		Periodical.	
5896	do	24	Unk.	Female	Unknown	do	do	1 month	do			
5897	do	27	Male	Single	do	30 years	Private Bond	4 months	do			
5898	do	28	17	Female	Prison confinement,	3 months	Probate Court	4 months	do			
5899	do	31	18	do	Unknown, Death of father,	2 years	do	2 months	do		Homicidal.	
5900	June	2	38	do	Ill health,	10 do	do	4 months	Recovered			
5901	do	3	60	Male	Unknown,	4 do	Private Bond	2 months	Recovered			
5902	do	3	59	do	do	10 months	Overseers	4 months	Recovered			
5903	do	4	59	Female	Single	10 years	Private Bond	4 months	Recovered			
5904	do	8	30	do	do	2 weeks	do	2 weeks	Not improved			
5905	do	9	51	Male	Married	10 months	Probate Court	3 months	do			
5906	do	10	45	Female	Unknown	4 years	Police Court	4 months	do			
5907	do	10	64	Male	Married	5 do	Probate Court	4 months	do			
5908	do	10	24	Female	Single	2 do	do	4 months	do			
5909	do	11	42	Male	do	2 do	do	4 months	do			
5910	do	13	18	Female	do	2 do	do	4 months	do			
5911	do	13	48	Male	Married	1 week	Police Court	4 months	do			
5912	do	13	28	Female	Widow	4 years	do	3 months	do			
5913	do	17	29	Male	Single	14 do	do	3 months	do			
5914	do	18	26	do	do	do	do	3 months	do			
5915	do	19	47	Female	Married	1 year	Private Bond	3 months	do			
5916	do	20	25	Male	do	3 days	Probate Court	3 days	do			
5917	do	23	Unk.	do	do	1 year	Private Bond	5 days	do			
5918	do	23	42	Female	Single	2 weeks	Munic'l Court	2 months	do			
5919	do	25	30	Male	do	20 years	Overseers	3 months	do			
5920	do	29	35	Female	do	7 weeks	Police Court	3 months	do			
5921	July	5	36	Male	Married	9 months	Probate Court	3 months	do			
5922	do	5	65	do	do	6 weeks	do	3 months	do			
5923	do	7	35	Female	do	3 months	do	3 months	do			
5924	do	7	35	do	do	years	Private Bond	3 months	do			
5925	do	8	35	do	do	2 weeks	do	1 month	do			
5926	do	11	35	Male	do	3 do	Justice P. & Q.	3 months	do			

TABULAR VIEW—*Concluded.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.
	1859	Sept. 13	25	Female	Single	Unknown, .	.	2 months	Private Bond	18 days	Remains	Hereditary.
5967	do	13	23	do	Married	Fever, .	.	'9 weeks	do	18 days	do	do
5968	do	13	23	Male	do	Religious excitement,	.	10 days	Probate Court	17 days	Improved	Recovered
5969	do	14	38	Female	do	Unknown, .	.	3 years	Private Bond	1 week	Recovered	Recovered
5970	do	14	21	do	Widow	Intemperance,	.	2 months	Police Court	14 days	Improved	Improved
5971	do	17	43	do	do	Unknown, .	.	16 years	do	12 days	do	do
5972	do	19	30	do	Single	do	.	2 months	Private Bond	10 days	do	do
5973	do	21	36	do	Married	do	.	1 year	do	3 days	do	do
5974	do	28	40	do	do	do	.	Unknown	Police Court	2 days	do	do
5975	do	29	35	Male	Single	do	.	6 months	do	1 day	do	do
5976	do	30	33	Female	do	Ill health, .	.	.	.	.	.	.

Hereditary.
Pauper from Ireland.
Hereditary.
Pauper from Ireland.
do

Every year's experience gives us additional proof that kindness and occupation are the most reliable resources in the care and restoration of the insane.

The insane always appreciate that kindness of heart and that benevolence of feeling which will interest itself in their unreal and extravagant miseries, and is ever solicitous to relieve their suffering. They are keenly alive to that benevolence which will take them by the hand and lift them up, and be to them a friend and a companion. They always look for one in whom are the qualities of mutual forbearance and fellow-feeling.

It is true that kindness of heart may do harm by giving way to unreasonable demands and indulging vicious propensities. It may even become so passive as to strengthen the delusions which are characteristic of the disease. But when mingled with a pure devotion to duty and a keen perception of right, it becomes the most powerful means in the care and treatment of the insane.

In the application of labor as a remedy in the treatment of the insane, there are several important considerations. It is not enough that the lunatic simply performs a task. He should not be required to wear out his muscular energy in order to procure tranquillity only; if possible, there should be a hearty and intelligent participation on the part of the patient, and so much of pleasure associated with the labor that fatigue may not follow. The occupation should be simple and plain in description, but useful and elevating in its character. Its utility should be perfectly apparent. Labor so selected and applied gives regularity to all the mental operations. It creates and imposes the necessity of self-control. It gives tone and vigor to the body, and brings about a new series of mental impressions.

The ordinary labor of the farm and garden is undoubtedly best suited to the wants and condition of the insane. It secures the benefit of out of door exercise as well as mental concentration, and more than any other description of labor promotes the restoration of those engaged in it. But in our climate, and, indeed, in any, the application of farm labor must be par-

tial, and confined in a great degree to a part of the year; neither can it include a large proportion of our inmates.

What is wanting is some occupation which shall at all times be accessible and in constant operation. There seems to be no way of accomplishing this but to have all descriptions of employment and occupation at hand, and the implements or means by which it is carried on possessed by the hospital, and every reasonable provision should be made for engaging those of every trade found in the institution.

There can be no question as to its practicability. Young men are committed to the hospital whose friends inform us that they have been some one or two years growing strange; they have now lost the power of self-control and are unable to attend to any business. Placed in one of our wards under ordinary circumstances they droop, become demented, and sink into hopeless fatuity.

On the arrival of one of this class of patients at the hospital, he will tell you that he is an outcast from society—the object of scorn and derision,—that ruin stares him in the face, and that, forsaken of friends, of hope, and of Heaven, he desires not longer to live. If we can induce this man to labor, he must of course give his whole attention to the task and exercise considerable ingenuity to accomplish his object. While his mind is thus occupied it is necessarily diverted from the dominion of his disease, and in proportion as cheerful labor is continued will be the freedom from diseased fancies and restoration to mental health.

In giving occupation to the insane we hope also to act upon the healthy powers of the mind, and thus afford rest and tranquillity to those that are diseased. It has already been hinted that in the selection of employment for the insane, choice should be made of such as will combine with it mental occupation; but this is not sufficient. In the care and treatment of the insane nothing should be omitted which will have a tendency to bring back the powers of the mind to their best estate. There is no way by which this can be accomplished but by operating upon the healthy channels of the mind, thus avoiding irritation and excitement. It is not enough that we have books and pictures, newspapers and maps; patients should be induced

to read and examine—to have some daily mental exercise suited to their capacity and their normal taste. This will require much care and study on the part of those who control the matter. The surgeon does not prescribe exercise for the recently fractured limb, and the brain when diseased requires no less care and attention than the wounded limb. But, after all, the great evil in this, as in many similar institutions, is idleness.

Patients are too often suffered to lounge about the wards, gradually losing both bodily and mental tone and vigor, and becoming daily more and more indifferent to all about them, except, perhaps, the quantity and quality of their food. The poor lunatic may be disinclined to labor from the fact that his mind is pre-occupied by diseased fancies. Still he is, in some degree, alive to the stimulus of emulation, rewards and punishments, and any inducement to regular employment in the shape of harmless luxuries or indulgencies are always proper by encouraging regular labor and voluntary control of the mental faculties, which become *habitual, and therefore salutary*.

For this purpose places of amusement, workshops, greenhouses, gardens, and the like, should be supplied in all their variety. Nothing should be omitted which ingenuity can devise or labor accomplish.

Acting upon such considerations, you have humanely and wisely directed that more extensive means be employed for the accomplishment of so desirable an end. More extensive farming operations than have hitherto been carried on will present, in a greater variety and abundance, opportunity and inducement to engage in that best of all occupations. Increased facilities for various kinds of labor in the workshops will also afford to many agreeable employment, and occupy and strengthen their mental faculties without irritation or fatigue.

The reading and billiard-rooms, suggested in the report of last year, are now completed and furnished on both sides of the house. The billiard-room, twenty-four feet square, occupying a retired yet convenient locality in the second story of the south wing of the house, has been fitted up with considerable taste; the walls decorated and all the work handsomely finished and painted. It is supplied with a good table, settees and matting, and is warmed by steam and lighted by gas.

The reading-room is in the third story, directly above the billiard-room, and is of the same size, and has been fitted up with equal care and taste. It is supplied with books, papers, magazines, and the like, and is at all times accessible to patients. On the female side, there has been constructed in the second story of the north wing, a room fifteen by twenty-four feet, and handsomely finished and decorated, and occupied as a bagatelle room. Directly over this, and communicating with it, is a room of the same size and style, now occupied as a music-room and reading-room. These rooms are also warmed by steam and lighted by gas. They are all attractive places of resort, and have beguiled our inmates of many a weary hour.

We need, and hope soon to have in operation, bowling alleys, where in cold or rainy weather, and indeed at all times, the patients, both male and female, can exercise in that healthy and unexceptionable game.

We may mention, in this connection, the long felt necessity of pleasant and attractive yards or airy courts, to which the feeble and demented patients can have free access, going out and returning at will.

But we may not be content with airy courts simply. Unless they are planted with trees and shrubbery, possess a fountain, a rustic arbor, a mound so high as to give wide prospect, and are stocked with pet animals, they must be of questionable utility. Properly constructed they would, in some degree, restore the patient to the pleasures of society and the world, while affording all the benefit of seclusion and restraint.

This leads us to speak of another want. Nothing would be of greater benefit to a large number of our inmates than a well ordered gymnasium. Conveniently located and properly furnished, it would become a place of resort to all that class of persons who, from social position, extravagance of delusion, or physical disability, cannot be induced to engage in any regular employment. They would thus receive new and pleasing, yet unexciting, impressions, opening to their minds new trains of thought, and furnishing material for study and reflection.

This change would be brought about without much expense, and with great moral and practical benefit to the patients.

A building now on the premises, convenient in size and location, might easily be remodeled by the patients, and converted into a light, comfortable, cheerful gymnasium.

It is proper again to record in this report the various sources of amusement and recreation afforded to the inmates as a means of relief and restoration.

All the amusements and pastimes of former years have been engaged in, and every healthy out-of-door exercise or harmless in-door game that could be thought of has been put in requisition.

The exercise of the mental faculties of our patients has been stimulated in some degree, and much recreation has been afforded by lectures, concerts of sacred music, tableaux vivants, historical tableaux, with reading and magic lantern scenes. Daily walks and drives, social parties, and, during the winter, skating and coasting parties, have been as usual carried on with great animation.

The patients' library continues to increase, partly by donations from friends, but mostly by purchase, and the supply of newspapers and periodicals has been abundant.

By a unanimous vote of your Board, the office of Resident Chaplain was abolished on and after the first day of March, 1859; and the Superintendent was directed to supply daily evening religious services in the chapel, and at least one service on the Sabbath.

In compliance with the above vote, the services of the Rev. Samuel R. Souther were secured for one year. Mr. Souther has performed the ordinary duties of chaplain by preaching to the patients on the Sabbath since March first in a highly acceptable and satisfactory manner. His services are always judicious and solemn. Sincere and earnest in his efforts to do good, he has succeeded well in winning the love and securing the confidence of his hearers. We consider ourselves fortunate in having obtained the services of a chaplain of such experience, good sense and practical wisdom.

We have every reason to believe that our patients are not only comforted, but improved, by the exposition of divine truth, when it is laid before their minds in a quiet, cheerful

and hopeful manner. The fact is, a large majority of insane persons are rational on religious subjects. Our tables show a small number of patients who have been insane on religious matters only, and even if persons are insane on these matters, plain and practical illustrations of divine truth make an impression upon the feelings through the healthy channels of the mind, affording instruction and strength to proceed in the way of truth and righteousness.

The means employed for warming and ventilating the hospital continue in active operation, and are believed to be quite perfect. No alteration or repairs of any magnitude have been required, and the whole apparatus is simple, compact and economical.

When the plan was first put in operation it was estimated that three tons of anthracite coal per day would be required from November to April, and one ton per day from April to November. Our tables have shown each year that the amount actually consumed has been considerably less than the above estimate.

The various parts of the house are always comfortably warmed during the cold weather by a free circulation of fresh warm air, and made cool and comfortable in the heat of summer by forcing in through all the registers a constant breeze of pure air from without.

The wards are also well ventilated. Seldom indeed is there now any offensive odor, even in apartments assigned to the most violent and filthy patients.

In a hygienic point of view, the results of our system of ventilation cannot be overstated. Patients who formerly were violent, filthy and disgusting, are now tranquil and tidy. Those who were uniformly pale, feeble and sickly, are now improved in health and appearance. The standard of general health has been greatly elevated since the introduction of the present plan of warming and ventilating the house.

The following table shows the exact amount of coal consumed from October 1, 1858, to October 1, 1859:

							Amount for each month.	Daily average.
October, 1858,	.	.	.	.	.	.	lbs.	lbs.
November, "	.	.	.	.	.	.	109,200	3,640
December, "	.	.	.	.	.	.	154,000	4,967
January, 1859,	.	.	.	.	.	.	167,000	5,367
February, "	.	.	.	.	.	.	169,000	6,039
March,	"	.	.	.	.	.	136,000	4,387
April,	"	.	.	.	.	.	75,500	2,516
May,	"	.	.	.	.	.	41,500	1,338
June,	"	.	.	.	.	.	31,500	1,050
July,	"	.	.	.	.	.	27,000	870
August,	"	.	.	.	.	.	23,750	776
September, "	.	.	.	.	.	.	24,750	825
Total,	.	.	.	.	.	.	1,025,200 or, 512 $\frac{3}{5}$ tons.	

In the early part of the year you erected a barn one hundred feet in length by forty feet in width, a tool and cart house forty-six feet in length by twenty-six in width, and a shed one hundred feet in length by eighteen feet in width.

These buildings are all complete, and the arrangements and accommodations have been found every way commodious and satisfactory. In connection with the barn is a most perfect piggery, one hundred feet in length by thirty feet in width. There are in this department facilities for steaming food and heating water, by steam generated in the boiler-house, five hundred feet distant.

There are in the new barn two apartments fitted up in a comfortable manner and warmed by steam, one of which is used as a work-room in rainy and stormy weather. Here all the repairs of harnesses and the like are made. The other apartment is the sleeping-room of the person who takes care of the stables, and is responsible for the condition of the stock and other property of this department belonging to the Commonwealth.

The farm and gardens have as usual been in a great measure cultivated by the patients, and a considerable amount of grading, fencing and trenching has also been carried on. A large number of fruit and forest trees have been transplanted, and are now growing well.

The Treasurer's report will show that a good deal of attention has been paid to the subject of improvements and repairs, and that considerable new furniture has been furnished and paid for. Many of the wards have been in part refurnished, and are now beginning to look more cheerful and home-like than they did with the old furniture, much of which was quite worthless. We have found that it is necessary to continue from time to time the purchase of books and pictures, which add so much to the cheerfulness of our wards.

Under active and judicious management, an increasing number of the female patients are occupied in the domestic labors of the kitchen, laundry, bakery, and wards, and in needle-work. Quite a number of the married females purchase materials and make the clothing for their children at home, while regaining their health at the hospital.

All the bed and house linen, all the clothing for female patients, and a large part of the clothing for male patients, has been made by the assistance of a single seamstress.

A great part of the washing and ironing, and all the mending for the household, is also done by the female patients.

The following table shows the labor performed in the sewing-room by female patients:

Bed Spreads,	.	.	31	Frocks,	.	.	.	48
Bed Ticks,	.	.	144	Trousers, pairs of,	.	.	76	
Sheets,	.	.	262	Overalls, pairs of,	.	.	48	
Pillow Cases,	.	.	273	Vests,	.	.	.	21
Pillows,	.	.	19	Hose, pairs of,	.	.	33	
Shirts,	.	.	226	Mittens, pairs of,	.	.	50	
Chemises,	.	.	167	Knit Edging, yards,	.	.	250	
Drawers, pairs of	.	.	63	Carpets,	.	.	.	5
Night Dresses,	.	.	53	Table Covers,	.	.	.	23
Night Caps,	.	.	13	Window Curtains,	.	.	.	153
Skirts,	.	.	51	Napkins,	.	.	.	56
" embroidered,	.	.	18	Towels,	.	.	.	273
Dresses,	.	.	153					

The following table shows some of the results of the labor performed on the farm and in the garden:

Apples,	40 barrels,	at \$2 00—	\$80 00
Pears,	10 bushels,	at 2 00	20 00
Cherries,	15 "	at 2 00	30 00
Grapes,	3 "	at 2 00	6 00
Tomatoes,	75 "	at 75	56 25
Corn, sweet,	75 "	at 1 00	75 00
Beans,	20 "	at 2 00	40 00
Peas,	18 "	at 2 00	36 00
Parsnips,	50 "	at 50	25 00
Turnips,	500 "	at 20	100 00
Potatoes,	900 "	at 50	450 00
Beets,	590 "	at 20	118 00
Carrots,	1,200 "	at 20	240 00
Barley,	153 "	at 1 00	153 00
Cabbages,	500 heads,	at 4	20 00
Squashes,	4 tons,	at 20 00	80 00
Hay,	80 "	at 10 00	800 00
Rowen,	5 "	at 8 00	40 00
Corn Fodder,	30 "	at 4 00	120 00
Straw,	10 "	at 6 00	60 00
Milk,	40,000 quarts,	at 4	1,600 00
Beef,	11,000 pounds,	at 8	880 00
Pork,	7,256 "	at 10	725 60
			—
			\$5,754 85

The labor performed by the inmates is not a source of direct revenue to the hospital. It is mostly expended in improving the value of the estate belonging to the Commonwealth,—in beautifying the grounds, and in procuring comforts and pleasures for the patients which the institution could not well afford to purchase.

Our thanks are due to Miss Dix for many kind attentions in behalf of the patients.

From the publishers of the Palladium, Spy, Transcript, and Bay State, we receive the daily and weekly issues, and large and well selected bundles of exchanges, giving a supply of the last newspapers from all parts of the country.

From the periodical office of S. Thompson & Co., we receive liberal donations of illustrated papers and magazines.

We are also under obligations to the publishers of the Boston Advertiser, Salem Register, Zion's Herald and Wesleyan Journal, Puritan Recorder, Springfield Republican, Religious Magazine, Bunker Hill Aurora and Charlestown Mirror, Youth's Companion, Gospel Messenger, Old Colony Memorial, Essex County Mercury, and many other papers and periodicals, all of which are very gratefully received.

We desire also to express our sense of obligation to the many friends who have contributed to the welfare of our patients during the year, among whom are Messrs. A. S. and B. D. Allen, Mrs. A. S. Allen, Mr. and Mrs. William Sumner, and Mr. and Mrs. A. W. Sawyer, of Worcester, who have given concerts in sacred music ; Dr. J. R. Nichols, of Boston, who gave us a lecture on the chemistry of fire and water ; Henry Woodward, Esq., of Worcester, for contributions of pictures ; David Scott, Esq., of Worcester, Mrs. Prince, of Worcester, Dr. Jarvis, of Dorchester, and Dr. Clapp, of Pawtucket, for donations of books ; and to Hon. Oliver Warner for maps.

It is my duty also to record my personal obligations to the other resident officers and assistants, who have faithfully carried out all my plans and devoted themselves wholly to the interests of the institution.

In looking back over the events of the year, we feel that we have been most signally blest in all our endeavors to promote the welfare of those placed under our charge.

The year has been one of health and prosperity. We are confident that much comfort and happiness has been conferred upon many sufferers, and a fair proportion have been restored to health, to themselves, and to society.

With confidence in the strength of Him who has sustained us amid the labors and trials of the past, we cheerfully commence the duties of another year, trusting that by His guidance we may perform them well.

MERRICK BEMIS.

STATE LUNATIC HOSPITAL, WORCESTER, }
October 1, 1859. }

TERMS AND FORMS OF ADMISSION, &c.

ADMISSION OF PATIENTS.

Inquiries are often made by letter and otherwise in reference to the course to be pursued in order to obtain admission for the insane to the hospital, and what are the expenses of support, &c.

When patients are committed to the hospital by order of any court, the county in which that court is held pays the expense of carrying the patient to the hospital.

To entitle insane persons to the care of the hospital it is necessary that they be committed by order of the court of probate and insolvency, or by any other court having jurisdiction in the town or county in which the insane person resides, or by two justices of the peace, one of which shall be a justice of the quorum.

Patients may also be sent to us by the friends if satisfactory bonds are given for their support while in the hospital.

Overseers of the poor may also commit the insane poor of the town in which they have jurisdiction by giving bonds in behalf of the town for the support of the patient while in the hospital.

When it is desirable that an insane person should be committed by the court of probate and insolvency, any one interested may make petition to the judge of probate and insolvency, for the removal of the lunatic to the hospital.

An acknowledgment of notice of the petition from one of the selectmen of the town in which the lunatic resides must also be presented with the petition.

P E T I T I O N .

Commonwealth of Massachusetts.

To the Honorable , Judge of Probate and
 Insolvency, for the county of
 Respectfully represents , of,
 in the county of , that ,
 in the county of , is a lunatic, and so furiously mad as
 to render it dangerous to the peace and safety of the community that
 he should be at large.

Wherefore, your petitioner prays, that the said , may be committed to the State Lunatic Hospital at
Worcester.

Dated at , this day of
 A. D. 18 .

A C K N O W L E D G M E N T O F N O T I C E .

, A. D. 18 —The subscriber, one of
 the Selectmen of the town of , aforesaid, hereby
 acknowledges due notice of the foregoing petition.

F O R M O F P R I V A T E B O N D .

State Lunatic Hospital at Worcester.

Whereas, , in the county
 of , has been admitted a boarder in the State Lunatic
 Hospital at Worcester, we in the
 county of , as Principal and
 of , in the county of , as Surety,
 do hereby jointly and severally promise ,
 Treasurer of said hospital, to pay him or his successor in said office, the
 sum of dollars and cents per week for the
 board of said , so long as he shall continue a
 boarder in said hospital, with such extra charges as may be occasioned
 by requiring more than ordinary care and attention; to provide
 for suitable clothing, and to pay for all such necessary articles
 of clothing as shall be procured for by the Steward of the
 hospital, and to remove from said hospital whenever the room
 occupied by shall be required for a class of patients having
 preference by law, or in the opinion of the Superintendent, to be received
 into said hospital. Also to pay, not exceeding fifty dollars, for all

damages he may do to the furniture and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of , A. D. 18 .

Attest. (Signed,) _____

, A. D. 18

, Principal.
, Surety.

FORM OF OVERSEERS' BOND.

State Lunatic Hospital at Worcester.

Whereas of , in the county
of , has been admitted a boarder in the State Lunatic
Hospital at Worcester, we

, a majority of the Overseers of the Poor of the town of , in the county of , in behalf of the inhabitants of said town, do hereby promise

so long as he shall continue a boarder in said hospital, with such extra charges as may be occasioned by requiring more than ordinary care and attention, to provide for suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for by the Steward of the hospital, and to remove from said hospital whenever the room occupied by shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital; and if he should be removed at the request of

before the expiration of six calendar months after reception, to pay board for twenty-six weeks, unless he should be sooner cured. Also to pay, not exceeding fifty dollars, for all damages

he may do to the furniture, and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this

day of

A. D. 18 .

Attest. **(Signed,)**

} Overseers of the Poor
 of the
town of .

In conformity to the laws of the Commonwealth the Trustees are required at their annual meeting to establish the price of board. The expense for the ensuing year will be at the rate of three dollars per week for the first six months after the commitment of a patient, and two dollars and seventy-five cents per week after the expiration of six months. All necessary clothing must be supplied by the friends of the patient.

Clothing will be supplied at the hospital if desirable and charged in the bills at cost.

Damages done to furniture and other property to the amount of fifty dollars may also be charged.

Reasonable charges will be made in case of elopement, and funeral charges in case of death.

All bills are collected by the Treasurer quarterly, or interest charged on the same after becoming due.

Bills become due on the first of January, April, July, and October, and when the patient leaves the hospital.

AN INVENTORY

Of Amounts in value of the Stock and Supplies on hand at the State Lunatic Hospital.

Live stock on the farm,	\$3,285 00
Produce of the farm on hand,	1,858 25
Carriages and agricultural implements,	906 29
Machinery and mechanical fixtures,	5,858 33½
Beds and bedding in the inmates' department,	3,728 43
Other furniture in the inmates' department,	3,227 31
Superintendent's department,	371 66
Housekeeping department,	786 26
Ready made clothing,	264 79
Dry goods,	918 93
Provisions and groceries,	1,423 09
Drugs and medicines,	158 00
Fuel,	3,300 00
Library,	295 75

METEOROLOGICAL OBSERVATIONS

MADE AT

THE STATE LUNATIC HOSPITAL, WORCESTER, MASS.,

1858-9.

*Latitude, 42° 16' 17" N.; Longitude, 71° 48' 13" W.
Elevation, 536 feet.*

EXPLANATION.—The force of the wind is estimated upon a scale of 10 and indicated by figures affixed to the letters denoting the direction. When no number is affixed, 1 is meant.

METEOROLOGICAL OBSERVATIONS—OCTOBER, 1858.

METEOROLOGICAL OBSERVATIONS—NOVEMBER, 1858.

Days of Month. Moon's Phase.	THERMOMETER.				BAROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.	
					At 32°.				10-covered.				Direction and Force.									
	7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Am't.	S. W.	-	-	-	-	
1	44	61	52	52	29.635	29.672	29.738	1	4	2	N. W.	N. W.	N. W.	N. N.	N. E. ²	N. E. ³	1½ p. m.	3 p. m.	-	-	Foggy A. M.	
2	-	42	40	41	29.793	29.751	29.746	10	10	10	N. E. ²	N. E. ²	N. E. ²	N. E.	N. E.	N. E.	-	-	-	-	Light rain.	
3	38	44	41	41	29.634	29.488	29.462	10	10	10	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	6¾ a. m.	a. m.	.58	-	Rain ceased early A. M.	
4	42	44	45	44	29.465	29.426	29.446	10	10	9	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	-	-	-	-	Rain began before day-light.	
5	43	50	47	47	29.374	29.270	29.112	10	10	10	N. F. ²	N. F. ²	N. F. ²	N. F. ²	N. F. ²	N. F. ²	-	-	-	-	Hoar frost.	
6	43	40	37	42	29.075	29.158	29.214	10	8	2	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	.79	-	A. M. frost and fog.	
7	37	49	42	43	29.219	29.169	29.212	4	5	2	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	-	-	-	-	-	
8	38	51	41	41	29.278	29.247	-	7	9	-	N. W.	N. E.	N. E.	N. E.	N. E.	N. E.	-	-	-	-	-	
9	35	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	-	-	39	28	33	25	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	-	-	29	31	33	32	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	29	33	27	27	29.482	29.322	29.258	3	10	4	W.	W.	W.	W.	W.	W.	-	-	3	-	Light snow.	
16	19	34	31	28	29.194	29.092	29.089	0	10	9	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
17	19	40	34	31	29.116	29.204	29.293	0	0	0	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	-	-	-	-	-	
18	35	44	35	38	29.304	29.245	29.266	10	4	1	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
19	40	39	29	36	29.199	29.230	29.333	9	9	0	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
20	33	43	34	37	29.368	29.351	29.384	1	0	5	W.	W.	W.	W.	W.	W.	-	-	-	-	-	
21	27	41	37	35	29.357	29.260	29.26	4	10	10	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
22	29	42	32	34	29.415	29.430	29.480	3	8	3	S. E.	S. E.	S. E.	S. E.	S. E.	S. E.	a. m.	a. m.	-	-	-	
23	33	-	31	34	29.175	-	28.984	10	-	10	N. E.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
24	34	-	32	34	29.048	28.989	29.042	10	10	3	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
25	30	33	27	30	29.096	29.118	29.165	4	4	2	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
26	30	34	30	31	29.317	29.420	6	6	10	3	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
27	28	33	20	27	29.510	29.541	29.504	2	10	10	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	-	-	-	-	-	
C	28	29	30	28	29.393	29.245	29.142	10	10	10	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	-	-	.32	-	38	
29	24	29	13	22	29.159	29.190	29.133	9	7	0	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	7 a. m.	9 a. m.	-	-	-	
30	26	39	28	31	29.229	29.347	29.345	10	1	0	-	-	-	-	-	-	-	-	4	4	4½	
Means,	32	40	33	35	29.335	29.338	29.338	6.4	7.1	5.3												Amount of rain,

METEOROLOGICAL OBSERVATIONS—DECEMBER, 1858.

Moons. Days of the month.	THERMOMETER.				BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	At 32°.				10=covered.			Direction and Force.			7 A.M.			9 P.M.				
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Began.	Ended.	Am't.	S. W.	
1	16	22	18	19	29.677	29.830	29.866	0	0	3	N. W. ²	N. W.	N. W.	2 $\frac{3}{4}$ p. m.	7 $\frac{1}{2}$ p. m.	—	—	
2	21	33	39	31	29.803	29.181	29.604	9	10	10	S. W.	S. E.	S. E.	2 $\frac{3}{4}$ p. m.	—	.70	—	
3	36	46	40	41	29.561	29.416	29.439	9	9	1	N. W.	N. E.	N. E.	11 $\frac{3}{4}$ a. m.	—	—	Snow succeeded by rain.	
4	28	26	23	26	29.635	29.619	29.634	9	10	10	N. E.	N. E.	N. E.	—	p. m.	.65	—	
5	23	27	33	28	29.632	29.414	29.282	10	10	10	N. E.	N. W.	N. W.	—	p. m.	—	Snow succeeded by rain.	
6	36	41	33	37	29.441	29.555	29.674	1	3	2	N. W.	N. E.	N. E.	3 $\frac{1}{2}$ p. m.	—	—	Drizzling rain.	
7	25	31	34	30	29.750	29.667	29.526	3	10	10	N. E. ²	N. E.	N. W.	—	1 p. m.	.40	—	
8	37	41	31	36	29.277	29.260	29.355	10	10	10	N. W.	N. W.	N. W.	—	—	—	Snow followed by rain.	
9	21	24	—	22	29.514	29.620	—	1	0	0	N. W. ²	W.	W.	—	—	—	Drizzling rain.	
10	14	26 $\frac{1}{2}$	27	22	29.878	29.813	29.703	0	4	6	S. W.	S. W.	S. W.	—	—	—	Thermometer at 6 $\frac{3}{4}$ A.M.	
11	26	39	33 $\frac{1}{2}$	23	29.604	29.546	29.634	9	9	9	S. W.	S. W.	S. W.	—	—	—	[12°]	
12	19	26	23	23	29.837	29.908	30.009	5	5	9	N. E.	N. E.	N. E.	—	—	—	Lunar halo—diam. 10°.	
D	13	21	27	27	29.913	29.703	29.520	10	10	10	N. N.	N. E.	N. E.	—	—	—	Rain & hail, interrupted.	
14	37	43	44	41	29.446	29.291	29.150	10	10	10	N. E.	S. W.	S. W.	9 $\frac{1}{4}$ a. m.	p. m.	.19	—	
15	52	48	46	49	29.074	29.105	29.192	10	10	8	S. W.	S. W.	S. W.	—	p. m.	—	Fog A.M., misty rain.	
16	32	39 $\frac{1}{2}$	30	34	29.478	29.514	29.550	1	1	1	N. W.	N. W.	N. W.	—	12 m.	.13	—	
17	27	40	25	17	29.530	29.527	29.671	8	4	8	W.	N. W.	N. W.	—	—	—	Rain, intermittent.	
18	10	17 $\frac{1}{2}$	12	29.718	29.858	29.890	1	1	0	N. W. ²	N. N.	N. N.	—	—	—	10 $\frac{1}{2}$ P.M. lunar halo.		
19	9	26	—	17	29.950	29.801	—	3	9	9	E.	N. W.	N. W.	10 $\frac{1}{2}$ p. m.	—	—	—	
20	35	42	30	36	29.405	29.384	29.438	9	2	4	S. W.	N. E.	N. E.	a. m.	.14	—	—	
21	33	34	36	34	29.311	29.100	28.798	10	10	10	N. E.	N. E. ²	N. E. ²	a. m.	—	—	—	
22	33	35	25	31	28.659	28.947	29.192	9	2	0	N. ³	N. ²	N. ³	—	—	1	Brilliant aurora, 7 to 8 [P.M.]	
23	21	33 $\frac{1}{2}$	30	28	29.441	29.324	29.282	8	9	10	W.	N. ²	N. ²	7 p. m.	—	$\frac{3}{4}$	—	
24	26	23	14	21	29.414	29.566	29.767	10	0	0	N. W.	N. W.	N. W.	a. m.	—	$\frac{1}{2}$	—	
25	11	25 $\frac{1}{2}$	14	17	29.940	29.965	30.091	0	0	0	S. E.	S. E.	S. E.	—	—	—	—	
26	16	36	30	27	29.939	29.747	29.660	1	9	4	S. W.	N. W.	N. W.	—	—	—	—	
27	37	44	34	38	29.367	29.259	29.339	9	5	0	N. W.	N. W.	N. W.	—	—	—	—	
28	29	32	23	28	29.374	29.304	29.449	1	0	—	N. W.	N. W.	N. W.	—	—	—	—	
29	21	30	21	24	29.524	29.392	29.603	4	8	10	N. E. ²	N. E. ²	N. E. ²	1 p. m.	—	—	—	
30	10	14	12	28	29.715	29.771	29.870	10	10	10	N. E.	N. E.	N. E.	—	—	—	—	
31	14	34	36	28	29.792	29.464	29.250	10	10	10	N. E.	N. E.	N. E.	—	—	—	—	
Means,	25	32	28	28	29.567	29.543	29.463	6.1	6.1	5.7	Amount of rain,						3.19	4 $\frac{3}{4}$



[the night.
Rain squalls through
Rain succeeding at noon.

METEOROLOGICAL OBSERVATIONS—JANUARY, 1859.

Days of Month. Moons. Phases.	THERMOMETER.				BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
	At 32°.				10=covered.			Direction and Force.			Began.			Ended.			
	7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A.M.	2 P.M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Am'tnt.	S. W.		
1	39	39½	35	38	29.238	29.268	29.396	10	1	N. W.	N. E.	N. W.	N. W.	.95	1½		
2	26	31	22½	26	29.655	29.734	29.866	0	1	N. N.	N. E. ²	N. W.	N. E. ²	—	—		
3	16	19	16	17	29.904	29.850	29.840	9	10	N. E. ²	N. E. ⁴	N. E. ³	N. E. ²	—	—		
4	16	21	27	31	29.470	29.066	29.167	10	10	N. E. ⁵	N. E. ⁴	S. W.	S. W.	1.50	15½		
5	26	35	30	30	29.447	29.460	29.532	1	1	S. W.	W.	W.	W.	—	—		
6	33	43	37	38	29.597	29.618	29.632	8	2	W.	W.	W.	W.	—	—		
7	35	45	43	41	29.327	29.033	28.798	10	10	N. E.	S. E.	S. E.	S. E.	—	—		
8	23	25½	10	19	29.021	29.222	29.434	1	3	N. W.	N. W.	N. W.	N. W.	—	—		
9	2	—3	—3½	—5	29.505	—	29.670	2	—	N. W.	N. W.	N. W.	N. W.	—	—		
10	-3	-15	11	-1½	-3	29.758	29.785	29.869	4	1	N. N.	S. W.	S. W.	S. W.	—	—	
11	-15	3	3	-1½	-5	29.820	29.665	29.562	1	10	0	N. N.	S. W.	S. W.	8 p. m.	.21	
D	12	12½	—	-1½	-5	29.550	29.485	—	10	10	N. N.	N. E.	N. E.	N. E.	5 p. m.	.07	
13	33	35	27	27	29.470	29.363	29.489	10	9	N. N.	N. E.	N. E.	N. E.	11 a. m.	—		
14	32	32	32	32	29.489	29.360	29.237	10	10	N. N.	S. E.	S. E.	S. E.	12½ p. m.	—		
15	32	35	35	34	29.018	28.872	28.885	10	10	N. N.	N. E.	N. E.	N. E.	4 p. m.	.39		
16	34	35	27	32	29.060	29.314	29.482	10	0	N. E.	S. E.	S. E.	S. E.	—	—		
17	32	39½	36	36	29.403	29.342	29.442	10	9	N. N.	S. W.	S. W.	S. W.	p. m.	—		
18	25	25½	22	24	29.745	29.779	29.752	0	4	N. N.	N. W.	N. W.	N. W.	a. m.	.04		
19	27	37	-	-	29.826	29.796	—	9	5	W.	S. W.	S. W.	S. W.	—	—		
20	22	45	40	36	29.767	29.609	29.568	—	0	N. N.	S. W. ²	S. W.	S. W.	—	—		
21	48	50	-	35	29.457	29.244	—	10	10	N. N.	N. W.	N. W.	N. W.	—	—		
22	36	38	31	14	29.354	29.365	29.525	10	10	N. N.	S. W.	S. W.	S. W.	—	—		
23	13	21	14	16	29.807	29.917	29.950	2	1	0	N. W.	S. S.	S. S.	S. S.	—	—	
24	11	25	24	20	30.396	30.001	30.012	0	0	4	S. W.	S. W.	S. W.	S. W.	a. m.	—	
C	25	25	37	32	31	29.972	29.907	29.764	0	6	N. W.	S. E.	S. E.	S. E.	4 p. m.	1.76	
26	28	-	33	-	29.736	-	29.855	1	—	0	N. W.	N. W.	N. W.	N. W.	—	—	
27	32	42½	36	37	29.884	29.869	29.854	1	1	N. W.	N. E.	N. E.	N. E.	—	—		
28	34	33	29	32	29.634	29.430	29.539	10	10	S. E.	N. E.	N. E.	N. E.	—	—		
29	31	33	34	33	29.505	29.386	29.417	10	10	N. E.	N. W.	N. W.	N. W.	—	4		
30	30	34	12½	25	29.514	29.577	29.712	1	3	N. W.	N. W.	N. W.	N. W.	—	—		
31	20	29	23	23	29.772	29.749	29.768	1	3	2	N. W.	N. W.	N. W.	N. W.	—	—	
Means,	23	31	26	27	29.584	29.519	29.572	—	5.7	5.5	—	—	—	—	5.85	24½	Amount of rain.

Snow squalls through [the day.]
a light fall of snow.
drizzling, succeeded by
Light rain, misty and
A. M. 6½; 11 P. M. 16°.]
Ther. at 6½ A. M. 5°; 8
Snow squalls in afternoon.
Ther. at 7½ A. M., 10°; at
Snow squalls. [8 A.M. 13°]
Foggy A. M.

[storm, P. M.
Lunar halo, 7½ P. M.;
Dense fog, 6½ to 10½ A.M.
Intermittent rain.
Heavy rains—showers.
[flooded by rain.
Snow before dawn, fol-
Rain continues, drizzling
[and intermittent.
Misty A. M.

METEOROLOGICAL OBSERVATIONS—FEBRUARY, 1859.

Moons Phases. Days of month.	THERMOMETER.						BAROMETER.			CLOUDS.			RAIN AND SNOW.						REMARKS.			
	At 32°.			10=covered.			Direction and Force.			7 A.M.			2 P.M.			9 P.M.			Began.	Ended.		
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.			Am'tnt.	S. W.	
●	1	22	39	32½	31	29.681	29.514	29.516	9	9	10	N.	N. W.	N. W.	N. E.	N. E.	N. E.	8¾ p. m.	—	—	—	—
●	2	23½	—	23	—	29.512	—	29.448	10	8	10	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	—	p. m.	.75	—	6
●	3	12	15½	—	—	29.286	29.173	—	—	10	10	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	—	—	—	—	—
●	4	28	34	—	—	29.007	29.228	—	—	0	4	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	—	a. m.	—	—	½
●	5	27	32	22	27	29.522	29.637	29.767	2	1	10	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	2¾ p. m.	—	—	—	—
●	6	14½	30	16	26	29.782	29.726	29.463	5	10	10	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	a. m.	—	—	—
●	7	26	30½	21	28	29.523	29.675	29.787	3	1	10	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	8½ p. m.	—	—	—	—
●	8	2)	33½	31	28	29.777	29.891	29.625	10	10	10	S. E.	S. E.	S. E.	S. E.	S. E.	S. E.	—	a. m.	—	—	—
●	9	32	35	38½	35	29.391	29.076	29.88	10	10	10	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	.98	—	—
●	10	35½	25	14	25	28.834	29.148	29.435	10	5	0	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	—	—	—
●	11	19	20	19	16	29.770	29.741	29.793	6	2	9	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	—	—	.06	—	—
●	12	18	21	16	18	29.683	29.555	29.551	10	10	7	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	—	a. m.	4 p. m.	—	—
●	13	11	23½	14	16	29.596	29.566	29.526	1	0	0	N. N.	N. N.	N. N.	N. N.	N. N.	N. N.	—	—	—	—	—
●	14	19	33	26	26	29.469	29.414	29.496	5	1	6	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	—	—	—
●	15	19	41	37	32	29.463	29.322	29.245	10	10	10	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	6¾ a. m.	7½ p. m.	.12	—	—
●	16	38	48	48	45	29.190	29.216	29.452	10	5	0	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	—	—	—	—	—
●	17	29½	43	37	36	29.716	29.715	29.723	1	9	10	S. E.	S. E.	S. E.	S. E.	S. E.	S. E.	4½ a. m.	11½ a. m.	.14	—	—
●	18	33½	36½	—	(2)	29.595	29.544	29.483	1	5	10	S. E.	S. E.	S. E.	S. E.	S. E.	S. E.	—	—	—	—	—
●	19	31	44	36	37	29.031	28.749	28.769	10	5	10	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	—	—	.61	—	—
●	20	37	45	44	42	28.883	28.968	29.185	9	5	0	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	—	—	—
●	21	30½	33½	22	29	29.370	29.334	29.459	0	3	—	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	—	—	—	—	—
●	22	25	39½	35	33	29.370	29.324	—	9	1	—	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	a. m.	11 a. m.	.16	—
●	23	36	48	—	34	29.121	29.149	29.474	10	4	0	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	—	—	—
●	24	37½	40	26	20	29.607	29.647	29.655	5	10	4	N. E.	N. E.	N. E.	N. E.	N. E.	N. E.	—	—	.45	—	—
●	25	16	25	2)	—	29.690	29.357	—	10	10	—	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	8 a. m.	10 p. m.	—	—	—
●	26	15	41	37	36	29.861	29.122	29.316	9	1	8	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	—	—	—
●	27	18	39½	41½	39	29.391	29.368	29.257	2	1	8	N. W.	N. W.	N. W.	N. W.	N. W.	N. W.	—	—	—	—	—
●	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Means	2.5	34	28	23	23	29.448	29.334	29.444	7.0	5.7	6.0	Amount of rain,						3.67	18½			

METEOROLOGICAL OBSERVATIONS—MARCH, 1859.

Moons Phases. Days of the month.	THERMOMETER.				BAROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.	
	At 32°.				10=covered.				Direction and Force.				Began.				Ended.					
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.		
1	23½	19	16	19	29.430	29.542	29.689	0	0	0	N. W. ²	N. W.	N. W. ²	—	—	—	—	—	—	—	—	
2	10	—	—	—	29.858	—	—	0	—	—	N. N.	S. E.	N.	—	—	—	—	—	—	—	—	
3	13	31	23	24½	29.835	29.716	29.503	4	9	10	N. E.	N. W.	N. W. ²	5½ p.m.	—	—	—	—	—	—	—	
4	32	40	35	34½	28.984	28.818	28.913	19	10	0	S. W.	N. W.	N. W.	5½ p.m.	—	—	—	—	—	—	1.24	
5	34	43	39	39	28.873	29.312	29.183	10	4	2	N. W.	N. W.	N. W.	6 p.m.	—	—	—	—	—	—	4½	
6	37	46	35	39	29.395	29.481	29.588	8	1	0	S. E.	S. W.	S. W.	10½ p.m.	—	—	—	—	—	—	—	
7	28½	48	40½	39	29.599	29.481	29.416	2	2	4	N. E. ²	N. E. ³	N. E. ³	—	—	—	—	—	—	—	—	
8	35½	32	28	32	29.013	28.866	28.931	10	10	10	N. E.	N. W.	N. W.	—	—	—	—	—	—	—	—	
9	33	38½	—	—	29.167	29.218	—	9	0	—	N. W.	N. W.	N. W.	—	—	—	—	—	—	—	—	
10	28	45	37	37	29.549	29.576	29.600	0	1	8	N. W.	N. W.	N. W.	—	—	—	—	—	—	—	—	
11	32½	46½	40½	46½	29.694	29.676	29.642	1	9	9	S. W.	S. W.	S. W.	—	—	—	—	—	—	—	—	
12	4½	5½	46½	46½	29.560	29.325	29.394	10	10	10	N. E.	S. E.	S. E.	—	—	—	—	—	—	—	—	
D	13	39	55	42	29.528	29.523	29.666	6	4	6	N. W.	S. E.	S. E.	—	—	—	—	—	—	—	—	
13	38	52	41	42	29.754	29.699	29.668	1	9	9	S. E.	S. E.	S. E.	—	—	—	—	—	—	—	—	
14	33	52	45	49	29.221	28.980	28.936	10	10	9	S. E.	S. E.	S. E.	—	—	—	—	—	—	—	—	
15	46½	54½	45	45	29.675	29.591	29.564	2	9	10	N. W.	S. E.	S. E.	—	—	—	—	—	—	—	—	
16	38	43	37	39	29.236	29.361	29.567	7	6	0	N. W.	S. E.	S. E.	—	—	—	—	—	—	—	—	
17	35	58	48	47	29.675	29.591	29.564	2	9	10	S. E.	S. W.	S. W.	—	—	—	—	—	—	—	—	
18	43½	50½	56	50	29.421	29.665	28.828	19	10	9	S. W.	S. W.	S. W.	7½ a.m.	—	—	—	—	—	—	1.20	
19	46½	46½	40	44	28.555	28.554	28.733	6	8	9	S. W.	S. W.	S. W.	—	—	—	—	—	—	—	—	
20	32½	41½	45½	40	28.951	29.014	29.172	9	7	3	N. W. ²	N. W.	N. W.	—	—	—	—	—	—	—	—	
21	3½	50	40	40	29.4' 9	29.4' 3	29.447	1	1	2	N. E.	N. W.	N. W.	—	—	—	—	—	—	—	—	
22	36	50	38½	41	29.527	29.383	29.321	8	10	10	N. E.	N. E.	N. E.	5½ p.m.	—	—	—	—	—	—	.47	
23	34½	44	40	39	29.280	29.294	29.382	10	4	0	N. E.	N. W.	N. W.	3½ p.m.	—	—	—	—	—	—	—	
24	32½	62	39½	41	29.334	29.330	29.270	5	9	10	N. E.	S. E.	S. E.	—	—	—	—	—	—	—	—	
25	37	37½	38	37	29.133	28.978	29.071	10	10	10	N. E.	N. E.	N. E.	3½ p.m.	—	—	—	—	—	—	1.00	
C	26	37	41½	37	29.037	28.961	29.061	9	10	3	N. W.	N. W.	N. W.	—	—	—	—	—	—	—	—	
27	32½	47	42	40	29.166	29.199	29.167	1	9	8	W.	E.	E.	—	—	—	—	—	—	—	—	
28	4½	54½	40½	45	29.322	29.386	29.302	8	2	8	W.	E.	E.	—	—	—	—	—	—	—	—	
29	38	44	53	45	29.693	28.833	28.62	10	10	16	N. E.	N. E.	N. E.	—	—	—	—	—	—	—	—	
30	41½	53	40	45	28.998	29.001	29.100	2	4	0	N. W.	N. E.	N. E.	4½ p.m.	—	—	—	—	—	—	.75	
31	38	51	37½	42	29.255	29.164	29.234	4	6	2	W.	W.	W.	7 p.m.	—	—	—	—	—	—	.03	
Means,	34	44	39	39	29.314	29.254	29.270	5	8	6.5	5.8	5.8	5.8	Amount of rain,	7.71	4½						

METEOROLOGICAL OBSERVATIONS—APRIL, 1859.

Days of the month. Moons, Phases.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.			
	At 32°.			10=covered.			Direction and Force.			7 A.M. | 2 P.M. | 9 P.M.			Began. | Ended. | Am't. | S. W.						
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	N. W.	S. E.	S. W.			
D	33 $\frac{1}{2}$	44 $\frac{1}{2}$	40	39	29.382	29.340	29.422	0	0	0	N. W.	N. W.	N. W.	—	—	—	Trailing Arbutus bloss.		
2	37	50	44	39	29.457	29.422	29.416	3	1	9	N. W.	N. W.	N. W.	—	—	—	Drizzling rain.		
3	38	40	39	35	29.246	28.996	28.943	10	10	10	S. E.	S. E.	S. E.	—	—	—	Snow squalls P. M.		
4	40	45	33 $\frac{1}{2}$	33 $\frac{1}{2}$	28.885	28.811	28.951	1	4	7	N. W.	N. W.	N. W.	—	—	—	Diffused auroral light.		
5	32	39 $\frac{1}{2}$	38	35	29.009	28.908	28.888	4	6	4	N. W.	N. W.	N. W.	—	—	—	Snow scuds P. M.		
6	31	42	38	37	29.074	29.085	29.130	1	9	2	N. W.	N. W.	N. W.	—	—	—	Snow and rain.	[Zereon bloss.	
7	36	50	—	—	29.225	29.149	—	2	3	0	N. W.	N. W.	N. W.	—	—	—	Fog A.M.; Daphne Me-	Hail, snow and rain.	
8	42	46 $\frac{1}{2}$	36	41	29.195	29.210	29.302	1	9	8	N. W.	N. W.	N. W.	—	—	—			
9	29	39	33	34	29.486	29.485	29.611	0	1	0	N. W.	N. W.	N. W.	—	—	—			
10	30 $\frac{1}{2}$	49	40	40	29.650	29.510	29.521	1	1	5	N. N.	N. N.	N. N.	6 $\frac{1}{4}$ a.m.	9 a.m.	.77	—	—	—
11	37 $\frac{1}{2}$	33 $\frac{1}{2}$	34	35	29.412	29.213	29.232	10	10	10	S. E.	S. E.	S. E.	—	—	—	—	—	—
12	34	49	43 $\frac{1}{2}$	42	29.438	29.327	29.405	10	9	4	N. E.	N. E.	N. E.	—	—	—	—	—	—
13	49	60	43 $\frac{1}{2}$	51	29.410	29.350	29.482	9	1	8	N. W.	N. W.	N. W.	—	—	—	—	—	—
14	39	37 $\frac{1}{2}$	35	37	29.506	29.437	29.218	10	10	10	N. E.	N. E.	N. E.	—	—	—	—	—	—
15	34	50 $\frac{1}{2}$	45 $\frac{1}{2}$	43	29.152	29.103	29.121	10	2	8	N. E.	S. E.	S. E.	12 m.	a.m.	.69	—	—	—
16	43 $\frac{1}{2}$	47 $\frac{1}{2}$	39 $\frac{1}{2}$	43	29.019	29.966	29.130	10	10	0	S. W.	N. W.	N. W.	—	—	—	—	—	—
17	41	54	43 $\frac{1}{2}$	46	29.318	29.193	29.304	0	9	9	N. W.	N. W.	N. W.	—	—	—	—	—	—
18	38	48	40	42	29.357	29.317	29.350	9	9	0	N. W.	N. W.	N. W.	—	—	—	—	—	—
19	43	57	48	49	29.315	29.175	29.164	1	1	1	N. W.	N. W.	N. W.	—	—	—	—	—	—
20	46	—	47	—	29.178	—	29.296	0	—	2	N. W.	N. W.	N. W.	—	—	—	—	—	—
21	—	63	52	—	—	29.170	29.245	—	2	5	N. E.	N. E.	N. E.	3 p.m.	—	.98	—	—	—
22	46	49	40	45	29.253	28.840	29.161	9	10	10	N. E.	N. E.	N. E.	—	—	—	—	—	—
23	39	44	45	43	28.874	28.616	28.541	10	10	8	N. E.	N. E.	N. E.	—	—	—	—	—	—
24	43	49 $\frac{1}{2}$	44	45	28.701	28.941	29.218	1	4	0	N. W.	N. W.	N. W.	—	—	—	—	—	—
25	45	60 $\frac{1}{2}$	53 $\frac{1}{2}$	53	29.356	29.382	29.426	0	7	9	S. W.	S. W.	S. W.	1 $\frac{1}{2}$ p.m.	a.m.	.34	—	—	—
26	44	49	44	46	29.377	29.304	29.200	10	10	10	N. E.	N. E.	N. E.	—	—	—	—	—	—
27	46	60 $\frac{1}{2}$	44	45	29.340	29.307	29.124	8	5	1	S. E.	N. E.	N. E.	—	—	—	—	—	—
28	37	52	43	44	29.598	29.588	29.591	9	6	8	N. E.	N. E.	N. E.	—	—	—	—	—	—
29	41	58 $\frac{1}{2}$	49	49	29.549	29.453	29.412	4	3	0	N. E.	N. E.	N. E.	—	—	—	—	—	—
30	59	71	55	62	29.397	29.283	29.398	0	0	0	N. N.	N. N.	N. N.	—	—	—	—	—	—
Means,	39	49	42	43	29.281	29.268	29.252	4.9	5.5	5.0							Amount of rain,	2.90	1

METEOROLOGICAL OBSERVATIONS—MAY, 1859.

Moons. Days of Phases.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	At 32°.			At 32°.			10=covered.			Direction and Force.			Began.			Ended.		
	7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	S. W.	Am'tnt.	S. W.		
1	52	62	51	57	29.522	29.453	29.568	—	0	0	N. W.	N. E.	S. E.	S. W.	—	—	—	—
2	47 $\frac{1}{2}$	61 $\frac{1}{2}$	50	55	29.731	29.737	29.755	0	1	1	N. E.	N. E.	S. W.	S. W.	—	—	—	—
3	52 $\frac{1}{2}$	73 $\frac{1}{2}$	55	60	29.771	29.601	29.759	1	0	0	S. W.	S. W.	S. W.	S. W.	—	—	—	—
4	53 $\frac{1}{2}$	74 $\frac{1}{2}$	55	61	29.728	29.647	29.630	0	0	1	S. W.	S. W.	S. W.	S. W.	—	—	—	—
5	56	79	66	67	29.531	29.388	29.413	6	9	8	S. W.	S. E.	S. W.	S. W.	—	—	—	—
6	63	85	70	63	29.404	29.337	29.308	0	1	1	S. E.	S. W.	S. W.	S. W.	—	—	—	—
7	64	87	71	74	29.269	29.135	29.118	8	1	4	S. W.	S. W.	N. E. ²	N. E. ²	—	—	—	—
8	66	58 $\frac{1}{2}$	46	57	29.112	29.191	29.338	4	7	10	N. E. ²	N. E. ²	N. E. ²	N. E. ²	—	—	—	—
9	43	45	42 $\frac{1}{2}$	43	29.347	29.433	29.526	10	10	10	N. E. ²	N. E. ²	N. E. ²	N. E. ²	—	—	—	—
10	40 $\frac{1}{2}$	41	45 $\frac{1}{2}$	43	29.618	29.663	29.722	10	9	9	N. E.	N. E.	S. E.	S. E.	—	—	—	—
11	41	45 $\frac{1}{2}$	45	44	29.723	29.625	29.666	10	10	9	N. E.	N. E.	S. E.	S. E.	—	—	—	—
12	49	73	65	62	29.614	29.515	29.552	10	2	2	N. E.	N. E.	S. E.	S. E.	—	—	—	—
13	49	67	54	63	29.506	29.538	29.598	8	8	7	N. E.	N. E.	S. E.	S. E.	—	—	—	—
14	68	54	45	49	29.675	29.706	29.742	9	8	1	N. E.	N. E.	S. E.	S. E.	—	—	—	—
15	50	45	45	49	29.737	29.621	29.586	1	1	8	N. E.	N. E.	S. E.	S. E.	—	—	—	—
16	47	62	47 $\frac{1}{2}$	52	29.470	29.347	29.330	9	10	9	S. E.	S. E.	S. N. E.	S. N. E.	—	—	—	—
17	46	57	54	59	29.372	29.366	29.386	10	10	9	S. E.	S. E.	S. N. E.	S. N. E.	—	—	—	—
18	52	68	64	63	29.316	29.338	29.146	10	10	9	N. E.	N. E.	S. E.	S. E.	—	—	—	—
19	55 $\frac{1}{2}$	68	64	57 $\frac{1}{2}$	29.494	29.517	29.586	10	10	10	N. E.	N. E.	S. E.	S. E.	—	—	—	—
20	60	57 $\frac{1}{2}$	54	57	29.547	29.457	29.387	10	10	9	N. E.	N. E.	S. E.	S. E.	—	—	—	—
21	50	50	48	49	29.235	29.148	29.296	10	10	9	N. E.	N. E.	S. E.	S. E.	—	—	—	—
22	47 $\frac{1}{2}$	62	54 $\frac{1}{2}$	55	29.492	29.480	29.561	0	1	1	N. E.	N. E.	S. E.	S. E.	—	—	—	—
23	53	68	56 $\frac{1}{2}$	59	29.661	29.657	29.696	1	1	1	S. W.	S. W.	S. W.	S. W.	—	—	—	—
24	57 $\frac{1}{2}$	76	62	65	29.726	29.541	29.645	9	8	3	N. E.	N. E.	S. W.	S. W.	—	—	—	—
25	56	74	57	62	29.553	29.468	—	1	5	1	S. W.	S. W.	S. W.	S. W.	—	—	—	—
26	60	82 $\frac{1}{2}$	62	69	29.398	29.393	29.383	1	1	1	S. W.	S. W.	S. W.	S. W.	—	—	—	—
27	65	80 $\frac{1}{2}$	73	63	29.188	29.146	29.287	9	5	8	N. E.	N. E.	S. W.	S. W.	—	—	—	—
28	61	56	63	64	29.416	29.311	29.411	0	6	10	N. E.	N. E.	S. W.	S. W.	—	—	—	—
29	60	68	55	61	29.546	29.581	29.659	9	3	10	N. E.	N. E.	S. W.	S. W.	—	—	—	—
30	54	69 $\frac{1}{2}$	63	62	29.795	29.678	29.722	1	6	10	N. E.	N. E.	S. W.	S. W.	—	—	—	—
31	54	66	55	58	29.516	29.470	29.517	5.6	5.6	5.1					3.65			
Means,																Amount of rain,		

METEOROLOGICAL OBSERVATIONS—JUNE, 1859.

Days of month.	Phases of Moon.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
		At 32°.			10=covered.			Direction and Force.			Began.			Am't.			
		7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	S. W.		
1	52	61	63½	59	29.682	29.626	29.615	10	10	10	S.	S.	S.	.64	-	Shower.	
2	66	77	68	70	29.551	28.388	29.462	9	7	7	W.	W.	W.	-	-	Lightning.	
3	64½	74	67½	69	29.393	29.314	29.334	10	10	9	S.	W.	S.	-	-	Thunder shower and intermittent rain.	
4	62	56	47½	55	29.335	29.370	29.453	10	10	10	N.	W.	N.	-	-		
5	45	67	48½	50	29.443	29.417	29.575	9	7	6	N.	W.	N.	-	-		
6	54	67	55	59	29.642	29.624	29.626	4	6	0	N.	W.	N.	-	-		
7	57	74	60	64	29.693	29.626	29.621	1	5	1	W.	S.	W.	-	-	Light frost A.M.	
8	55	64½	60	60	29.518	29.352	29.238	5	9	10	S.	W.	S.	-	-	Rain intermittent.	
9	57	62½	53½	58	29.236	29.304	29.416	4	2	0	N.	W.	N.	-	-		
10	54	74	53	60	29.408	29.231	29.401	10	5	9	W.	S.	W.	.28	-		
11	49	57	50	52	29.572	29.595	29.644	1	2	0	N.	W.	N.	-	-		
12	50½	66	45	54	29.730	29.662	29.704	1	6	8	N.	W.	N.	.18	-		
13	57½	63	62	61	29.632	29.516	29.492	8	10	10	S.	W.	S.	-	-		
14	67½	73	75	75	29.473	29.427	29.461	10	5	6	S.	W.	S.	-	-		
15	70	85½	75½	77	29.385	29.278	29.165	-	5	1	S.	W.	S.	-	-		
16	71	64½	60	70	29.202	29.180	29.268	10	9	9	N.	E.	N.	-	-		
17	63½	67	61½	64	29.060	29.141	29.352	2	10	0	S.	W.	S.	-	-		
18	63½	63	74	67	29.434	29.403	29.469	0	2	7	N.	W.	S.	-	-		
19	63	63	74	63	29.294	29.312	29.305	10	10	10	S.	W.	S.	-	-		
20	59½	64	57½	60	29.205	29.160	29.170	10	10	10	N.	E.	N.	-	-		
21	56	63½	56	57	29.395	29.219	29.323	10	4	6	S.	E.	S.	.43	-		
22	56	64	63½	64	29.426	29.471	29.558	10	10	10	N.	E.	N.	-	-		
23	63½	62	62	64	29.574	29.483	29.456	10	10	10	S.	E.	S.	.12	-		
24	59½	64	65½	68	29.389	29.263	29.446	10	8	1	N.	E.	N.	.01	-		
25	64	76	76	70	29.501	29.478	29.563	6	4	1	N.	W.	S.	-	-		
26	68	79	82½	72	29.634	29.597	-	2	4	9	S.	W.	S.	-	-		
27	66	82½	75	75	29.555	29.594	29.500	8	8	2	S.	W.	S.	.29	-		
28	68½	92	75	81	29.418	29.293	29.187	8	1	0	N.	W.	N.	-	-		
29	76½	73	70	67	29.161	29.338	29.414	1	1	0	S.	W.	S.	-	-		
30	73	70	57½	67	29.441	29.395	29.428	6.8	6.7	5.9	Amount of rain,			5.17	-		

METEOROLOGICAL OBSERVATIONS—JULY, 1859.

Days of the month.	Phases of Moon.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
		At 32°.			10=covered.			Direction and Force.			7 A. M.			9 P. M.			
		7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Am't.	S. W.		
1	62	75	65½	67	29 500	29.433	29.441	0	1	N. W.	S. W.	-	-	-	-	Fog A.M.; Privet bloss.	
2	66	76	73	72	29.371	29.248	29.220	9	9	S. W.	S. W. ⁴	-	-	-	-	Lightning in evening.	
3	-	-	65	62	-	29.508	29.579	29.302	9	10	S. W. ³	N. W. ²	-	-	-	-	
4	54	67	65	58	29.779	29.768	29.782	5	6	N. W. ²	N. N.	-	-	-	-		
5	57	61	72	64½	29.716	29.660	29.648	5	7	N.	E.	-	-	-	-		
6	61	67	72	73	29.637	29.661	29.595	1	7	N. E.	S. E.	-	-	-	-		
7	71	71	75	77	29.559	29.452	29.491	5	7	N. E.	S. W.	-	-	-	-		
8	9	10	-	-	29.545	29.530	29.644	7	6	N. E.	S. E.	-	-	-	-		
9	11	12	75	82	29.516	29.449	29.459	8	7	N. E.	S. W.	-	-	-	-		
10	12	78	88	73	29.442	29.387	29.374	9	8	N. E.	N. E.	-	-	-	-		
11	13	80	73	71	29.370	29.398	29.431	8	9	N. E.	N. E.	-	-	-	-		
12	14	69	76	68	29.476	29.514	29.554	4	3	N. E.	S. E.	-	-	-	-		
13	15	66	78½	67	29.592	29.574	29.560	5	5	N. E.	S. E.	-	-	-	-		
14	16	63½	70	66	29.454	29.391	29.381	9	8	N. E.	S. E.	-	-	-	-		
15	17	-	70½	74	-	29.342	29.340	29.348	0	5	N. E.	S. E.	-	-	-	-	
16	18	19	70½	71	29.322	29.247	29.204	9	9	N. E.	S. W.	-	-	-	.01		
17	20	68	76	68½	29.081	28.989	29.131	10	2	N. W.	N. W. ²	-	-	-	-		
18	21	62	71½	70	29.329	29.394	29.333	0	4	N. W. ²	N. W.	-	-	-	-		
19	22	65	80	66	29.301	29.063	29.032	2	4	S. W.	S. W. ²	-	-	-	.28		
20	23	67	75	64	29.178	29.129	29.287	0	5	N. W.	N. W.	-	-	-	-		
21	24	63	65½	68	29.367	29.348	29.391	1	6	N. W.	N. W.	-	-	-	-		
22	25	64½	66	65	29.411	29.348	29.343	10	1	S. W.	S. W.	-	-	-	.05		
23	26	68	65	69	29.316	29.167	29.186	10	8	S. W.	S. W. ²	-	-	-	.35		
24	27	60	71	65	29.117	29.061	29.136	2	5	S. W. ²	N. W.	-	-	-	-		
25	28	65	73	67	29.183	29.235	29.341	0	8	N. W.	N. W.	-	-	-	-		
26	29	66	79	67	29.464	29.485	29.498	4	4	S. E.	S. E.	-	-	-	-		
27	30	65	80	68	29.608	29.581	29.594	1	7	S. E.	S. E.	-	-	-	-		
28	31	63	72	65	29.548	29.496	29.446	9	10	S. E.	S. E.	-	-	-	-		
Means,		66	76	68	29.419	29.392	29.410	5.0	5.8	3.9	Amount of rain.					1.26	

METEOROLOGICAL OBSERVATIONS—AUGUST, 1859.

Moons. Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.			
	At 32°.			10=covered.			Direction and Force.			7 A.M.			9 P.M.						
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Began.	Ended.	Am'tnt.	S. W.		
D	1	67	79	70	72	29.441	29.391	29.453	1	2	5	W.	S. W. ²	S. W.	-	-	-	[set in late.	
	2	69	81	75	75	29.461	29.420	29.439	2	2	1	S. W.	S. W.	S. W.	-	-	-	Light shower 6 P.M.; rain	
	3	73	86	76	78	29.485	29.444	29.467	5	6	1	S. W. ²	S. W. ³	S. W.	-	-	-	Showery.	
	4	74	85	77 ¹ ₂	75	29.285	29.141	29.210	9	4	2	S. W. ³	S. W.	S. W.	p. m.	4 p. m.	.70	-	
	5	67 ¹ ₂	76	68	70	29.293	29.328	29.361	2	1	0	N. W. ³	N. W.	N. W.	-	-	-	Very light rain; rainbow	
	6	76	81	71 ¹ ₂	72	29.284	29.189	29.240	2	1	0	S. W.	S. W.	S. W.	6 p. m.	7 p. m.	-	[6 ¹ ₂ P. M.]	
	7	65	77	68	70	29.357	29.388	29.520	0	2	1	S. N. W.	S. N. W.	S. N. W.	-	-	-	Fog A. M.	
	8	66	65	80 ¹ ₂	69	71	29.611	29.579	29.607	1	1	0	S. N. W.	S. N. W.	S. N. W.	-	-	-	Fog A. M.; meteor 8 ¹ ₂
	9	69	83 ¹ ₂	71	75	29.612	29.573	29.604	1	1	0	S. N. W.	S. N. W.	S. N. W.	-	-	-	[P. M.]	
	10	69	78	68 ¹ ₂	69	29.587	29.526	29.525	-	5	2	S. S. E.	S. S. E.	S. S. E.	-	-	-	Showery; rain late P.M.	
	11	60 ¹ ₂	68	75	70 ¹ ₂	71	29.507	29.463	29.412	10	10	9	N. E.	N. E.	N. E.	-	-	-	-
	12	68	75	73	70 ¹ ₂	70	29.355	29.295	29.311	10	10	9	S. E.	S. E.	S. E.	-	-	-	Frost A. M.
	13	67 ¹ ₂	73	69 ¹ ₂	75	29.286	29.270	29.295	1	3	3	S. N. E.	S. N. E.	S. N. E.	-	-	-	Fog A. M.	
	14	69	84	73 ¹ ₂	66	29.378	29.400	29.522	2	4	2	S. N. E.	S. N. E.	S. N. E.	-	-	-	Light rain.	
	15	65 ¹ ₂	73	60	66	29.561	29.546	29.592	1	5	1	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	16	60	73	59	63	29.573	29.538	29.541	1	1	1	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	17	58	63	62	65	29.433	29.310	29.244	1	1	1	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	18	63	73 ¹ ₂	69	70	29.198	29.163	29.251	4	4	3	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	19	63 ¹ ₂	81	66	65	29.394	29.429	29.509	5	3	2	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	20	61	73	62	65	29.539	29.513	29.526	1	4	4	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	21	61 ¹ ₂	76 ¹ ₂	62 ¹ ₂	67	29.535	29.517	29.621	-	8	5	S. N. E.	S. N. E.	S. N. E.	4 ¹ ₂ p. m.	3 ¹ ₂ p. m.	.04	-	
	22	63 ¹ ₂	76	64 ¹ ₂	67 ¹ ₂	67	29.630	29.597	29.621	-	8	9	S. N. E.	S. N. E.	S. N. E.	-	-	-	-
	23	57 ¹ ₂	78	64 ¹ ₂	65	29.581	29.453	29.393	8	10	2	S. N. E.	S. N. E.	S. N. E.	a. m.	p. m.	.01	-	
	24	58	63	64	64	29.257	29.164	29.303	10	3	4	S. N. E.	S. N. E.	S. N. E.	-	-	-	-	
	25	63	65	65	67	29.346	29.338	29.292	1	8	0	S. N. W.	S. N. W.	S. N. W.	-	-	-	-	
	26	67 ¹ ₂	78 ¹ ₂	71	72	29.279	29.206	29.282	7	5	0	N. W.	N. W.	N. W.	-	-	-	-	
	27	67	66	63	63	29.414	29.251	29.315	1	1	0	S. N. W.	S. N. W.	S. N. W.	-	-	-	-	
	28	60	59	59	59	29.305	29.291	29.318	0	1	1	S. N. W.	S. N. W.	S. N. W.	-	-	-	-	
	29	52 ¹ ₂	67	57	57	29.407	29.347	29.354	0	1	1	S. N. W.	S. N. W.	S. N. W.	2 p. m.	5 ¹ ₂ p. m.	.53	-	
	30	50	67 ¹ ₂	60	62	29.289	29.175	29.256	4	9	8	N. W.	N. W.	N. W.	-	-	-	Thunder showers.	
	31	56	71 ¹ ₂	60	67	69	29.417	29.370	29.399	3.4	4.3	2.8	Amount of rain,					5.45	
Means.		64	77	67	67	69	29.417	29.370	29.399	3.4	4.3	2.8							

METEOROLOGICAL OBSERVATIONS—SEPTEMBER, 1859.

Moonth. Days of Phase.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
	At 32°.			10=covered.			Direction and Force.			7 A. M.			9 P. M.			
	7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Am'tn.	S. W.		
D	1	55	68 ¹ ₂	57	60	29.304	29.269	29.260	0	0	N. W.	N. W. ²	N. W. ³	N. W.	—	Brilliant aurora A. M. & [P. M.
	2	59	65	54	59	29.134	29.203	29.310	9	3	S. W.	N. W. ²	S. W.	S. W.	—	Very light showers.
	3	51 ¹ ₂	67	60	59	29.440	29.384	29.382	0	0	N. W.	S. W.	S. W.	S. W.	—	Very light showers.
	4	65	71 ¹ ₂	58	65	29.302	29.344	29.517	9	1	N. W. ²	S. W. ³	N. W. ²	N. W.	—	Light fog A. M.
	5	54	66	58	59	29.614	29.575	29.588	7	8	N. W. ²	N. W. ²	N. W. ²	N. W.	—	Light fog A. M.
	6	55 ¹ ₂	64	50 ¹ ₂	57	29.631	29.668	29.731	1	5	N. W.	N. W.	N. W.	N. W.	—	Drizzling.
	7	47 ¹ ₂	62	50	53	29.757	29.703	29.711	5	9	N. W.	N. W.	N. W.	N. W.	—	Rain; showery P. M.
	8	50	67	53	57	29.764	29.715	29.725	—	2	N. W.	N. W.	N. W.	N. W.	—	Light rain; double rainbow 6 P. M.
	9	53	69	55	59	29.761	29.722	29.744	1	2	N. E.	N. E.	N. E.	N. E.	—	Frost A. M.
	10	54	71 ¹ ₂	61	62	29.730	29.633	29.577	1	7	S. E.	S. E.	S. E.	S. E.	6 p. m.	Frost and fog A. M.
	11	63	72 ¹ ₂	69	68	29.398	29.179	29.017	10	9	S. W.	S. W.	S. W.	S. W.	10 p. m.	Drizzling, variable.
	12	62	72	63	66	28.984	28.930	28.950	2	5	N. W.	N. W.	N. W.	N. W.	—	Rain.
	13	58 ¹ ₂	73 ¹ ₂	54 ¹ ₂	62	28.961	28.868	28.952	1	9	S. W.	S. W.	S. W.	S. W.	5 p. m.	Fog A. M.
	14	49	53 ¹ ₂	54 ¹ ₂	52	28.996	29.187	29.500	1	1	N. W. ²	N. W. ²	N. W. ²	N. W.	6 ³ ₄ p. m.	Misty.
	15	41	50 ¹ ₂	44	45	29.704	29.714	29.767	1	3	N. W.	N. W.	N. W.	N. W.	—	Rain.
	16	40	55 ¹ ₂	51	49	29.791	29.749	29.698	7	8	N. W.	N. W.	N. W.	N. W.	—	Rain.
	17	48	52	47	49	29.568	29.385	29.158	10	10	S. E.	S. E.	S. E.	S. E.	—	Rain.
	18	52 ¹ ₂	66	60	59	29.208	29.246	29.335	10	3	N. E.	N. E.	N. E.	N. E.	7 a. m.	Rain.
	19	49	72	60	60	29.377	29.310	29.325	1	0	N. E.	N. E.	N. E.	N. E.	2.07	Fog A. M.
	20	64	73 ¹ ₂	67	68	29.322	29.336	29.444	10	9	S. W.	S. W.	S. W.	S. W.	9 p. m.	Misty.
	21	49	46 ¹ ₂	47	47	29.648	29.608	29.615	10	10	N. E.	N. E.	N. E.	N. E.	—	Rain.
	22	47	51	50 ¹ ₂	49	29.601	29.588	29.588	10	10	N. E.	N. E.	N. E.	N. E.	5 ¹ ₂ p. m.	Rain.
	23	50 ¹ ₂	56	55	54	29.498	29.446	29.434	10	10	N. E.	N. E.	N. E.	N. E.	—	Rain.
	24	55	68 ¹ ₂	61 ¹ ₂	62	29.433	29.342	29.350	9	7	N. E.	S. E.	S. E.	S. E.	—	Very light shower, even-
	25	56 ¹ ₂	65	60 ¹ ₂	61	29.391	29.374	29.384	—	9	S. E.	S. E.	S. E.	S. E.	—	Dense fog A. M. [ning.
	26	55 ¹ ₂	69	60 ¹ ₂	62	29.387	29.369	29.378	6	2	S. E.	S. E.	S. E.	S. E.	—	Foggy A. M.
	27	56 ¹ ₂	75	61 ¹ ₂	64	29.435	29.394	29.394	5	2	S. E.	S. E.	S. E.	S. E.	—	Aurora faint 7 P. M. &
	28	63	73	66	66	29.386	29.360	29.474	9	8	S. W.	S. W.	S. W.	S. W.	—	Showery. [seq.
	29	57	63	49 ¹ ₂	56	29.691	29.730	29.823	9	5	N. E.	N. E.	N. E.	N. E.	—	Light shower A. M.
	30	43	63	50	52	29.826	29.749	29.740	0	0	S. E.	S. E.	S. E.	S. E.	—	Foggy in valleys.
Means,		53	65	56	58	29.501	29.436	29.462	5.5	5.2	5.1	—	—	—	4.00	Amount of rain,

Amount of Rain and Snow registered at the State Lunatic Hospital, Worcester, Mass., for Eighteen Years.

YEAR.	DECEMBER.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	TOTAL.
	Inches. Rain.	Inches. Snow.	Inches. Rain.	Inches. Snow.	Inches. Rain.	Inches. Snow.	Inches. Rain.	Inches. Snow.	Inches. Rain.	Inches. Snow.	Inches. Rain.	Inches. Snow.	Inches. Rain.
1841-2,	4.77	6.	2.24	4.	2.82	—	3.24	—	4.93	—	1.96	—	.83
1842-3,	5.30	26.	5.05	5.	4.13	3.	5.23	—	4.15	—	3.39	—	7.12
1843-4,	2.28	23.	3.14	13.5	1.44	12.	3.80	18.5	3.55	—	1.92	—	1.25
1844-5,	2.05	8.	4.17	12.	2.61	20.	3.29	10.	1.61	—	3.23	—	3.14
1845-6,	5.39	13.	2.92	13.	2.50	30.	3.33	—	1.34	—	2.37	—	2.91
1846-7,	2.87	9.	4.66	5.	4.08	17.	3.89	8.	1.67	—	5.29	—	4.86
1847-8,	4.93	10.5	3.08	4.5	1.61	25.	3.89	6.	1.52	5.	6.82	—	1.31
1848-9,	3.93	25.	.98	2.	1.30	14.5	6.30	3.	1.95	—	3.56	—	1.25
1849-50,	3.12	8.5	4.79	15.	3.23	2.	3.67	20.	5.53	13.	7.50	—	3.25
1850-1,	4.19	23.5	2.07	2.5	4.01	1.5	1.40	18.	6.76	—	4.73	—	3.16
1851-2,	2.30	5.5	5.44	15.5	2.46	11.5	3.42	13.5	10.77	23.	3.50	—	3.53
1852-3,	4.78	4.	3.02	10.	8.09	11.	3.60	8.	4.92	—	4.45	—	1.01
1853-4,	3.79	20.5	2.82	7.5	6.62	15.5	3.45	—	.23	4.	6.78	—	3.05
1854-5,	3.43	15.5	8.11	9.	4.48	8.	1.69	10.2	3.34	—	1.64	—	4.19
1855-6,	6.90	10.5	4.60	27.5	1.35	9.	1.69	11.75	8.87	—	6.55	—	1.44
1856-7,	4.08	3.	4.48	29.	2.24	6.5	2.80	11.24	4.56	—	3.44	—	5.16
1857-8,	5.33	9.	2.13	8.5	1.10	4.5	2.29	—	3.37	—	4.13	—	5.17
1858-9,	4.09	6.25	4.95	23.	3.67	18.75	7.71	4.75	2.90	1.	3.65	—	1.26
Sums,	73.54	226.75	67.76	204.5	59.37	239.75	62.23	163.7	73.93	52.	77.85	—	64.79
Means,	4.08	12.59	3.76	11.3	3.29	13.3	3.45	9.09	4.17	2.88	4.32	—	3.21

Weather, Wind and Rain; 1858-9.

Weather, Wind and Rain.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	Total.
Number of days clear, .	2	1	1	-	-	1	2	1	-	-	-	2	10
Number of days cloudy, .	.29	.29	.30	.31	.28	.30	.28	.30	.30	.31	.31	.28	355
Number of days rainy, .	.9	.12	.16	.15	.15	.16	.9	.11	.15	.6	.10	.14	148
Number of inches rain,													47.63
Number of days N. wind, .	2	1	-	-	-	-	1	-	-	-	-	-	4
Number of days N. W. wind,	.2	.4	.2	.3	.7	.6	.8	.3	.6	.2	.4	.6	53
Number of days W. wind,	-	-	.2	-	-	1	-	-	-	-	-	-	3
Number of days S. W. wind,	-	-	-	.3	.1	.1	-	.3	.8	.3	.4	.3	26
Number of days S. wind, .	-	-	-	-	-	-	-	-	1	-	-	-	1
Number of days S. E. wind,	.1	-	-	-	1	-	1	-	1	-	2	-	2
Number of days E. wind, .	-	-	-	-	-	-	-	-	1	-	-	-	1
Number of days N. E. wind,	.2	.3	.2	.2	.3	.3	.2	.6	.2	.1	.1	.6	33

REMARKS.

By clear days is meant entirely clear; *i. e.*, no cloud whatever being visible.
By rainy days, that more or less rain fell, without any reference to quantity.

Summary of Meteorological Observations, 1858-9.

Flowering Season on Hospital Hill for Twenty-one Years.

Trees, Shrubs, etc.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.
Crocus,	.	.	April 8	April 10	April 1	April 15	April 15	April 12	April 9	April 24	April 20
Liverwort,	.	.	16	16	23	30	30	16	15	24	30
Leatherwood,	.	.	18	19	24	25	25	21	25	22	7
Bloodroot,	.	.	20	20	25	23	23	18	28	—	—
Wind Flower,	.	.	28	28	15	24	24	21	24	29	—
Cherry Tree,	.	.	May 5	May 10	11	19	12	24	25	10	6
Peach Tree,	.	.	—	—	10	24	14	17	1	11	7
Apple Tree,	.	.	—	—	April 20	8	9	April 2	8	9	18
Fever Bush,	.	.	—	—	April 26	16	16	April 29	—	—	—
Missouri Currant,	.	.	6	5	May 1	1	1	May 2	2	—	—
Wild Cherry,	.	.	12	12	May 13	21	25	May 27	—	—	—
Flowering Almond,	.	.	16	16	16	25	25	May 4	—	—	—
Lilac,	.	.	13	13	16	27	27	27	—	—	—
Tt. Honeysuckle,	.	.	2	2	27	—	14	15	—	—	—
Shad Bush,	.	.	—	—	April 25	29	13	April 4	—	—	—
Red Maple,	.	.	—	—	May 2	3	April 28	April 21	—	—	—
Callicanthus,	.	.	—	—	June 4	—	May 29	May 20	—	—	—
Mountain Ash,	.	.	—	—	May 28	—	—	May 15	—	—	—
Dandelion,	.	.	—	—	April 1	—	—	April 23	—	—	—
Daphne Mezereon,	.	.	—	—	April 23	—	—	April 23	—	—	—
Pyrus Japonica,	.	.	—	—	—	—	—	April 23	—	—	—
Hyacinth,	.	.	—	—	—	—	—	April 23	—	—	—
Blue Violet,	.	.	—	—	—	—	—	April 29	—	—	—
Persian Lilac,	.	.	—	—	—	—	—	May 1	—	—	—
G. Maculatum,	.	.	—	—	—	—	—	—	—	—	—
Rose, Russian,	.	.	May 18	May 21	May 18	June 3.	30	April 15	—	—	—
Rose, Scotch,	.	.	—	—	—	May 28	28	—	22	—	—
Horse-Chestnut,	.	.	—	—	—	—	—	—	22	—	—
Narcissus,	.	.	—	—	—	—	—	—	15	—	—
Trailing Arbutus,	.	.	—	—	—	—	—	—	21	—	—
					April 17	March 27	April 10	—	—	April 2	—
										April 6	—
										April 13	—

Flowering Season, &c.—Continued.

Trees, Shrubs, etc.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.
Crocus,	April 10	April 4	April 22	April 25	April 9	April 23	April 12	April 6	March 23	April 1
Liverwort,	May 13	-	May -	May 12	May 3	May 29	May 10	May -	April 19	-
Leatherwood,	-	-	-	23	1	26	12	13	-	-
Bloodroot,	-	-	24	29	9	30	3	12	May 13	4
Wind Flower,	-	5	29	11	11	30	5	9	May 29	4
Cherry Tree,	-	6	May 5	17	May 10	14	7	10	April 14	4
Peach Tree,	-	18	14	11	11	10	8	13	May 14	10
Apple Tree,	-	6	April -	12	23	16	15	17	April 15	-
Fever Bush,	-	-	25	10	11	27	11	3	May 15	5
Missouri Currant,	-	23	May 15	18	May 15	17	20	14	April 17	8
Wild Cherry,	-	28	18	27	18	17	22	20	13	17
Flowering Almond,	-	-	-	24	13	20	22	25	April 25	22
Lilac,	-	-	-	28	4	30	23	25	April 27	22
Tt. Honeysuckle,	-	7	6	28	4	30	26	16	April 30	6
Shad Bush,	-	23	3	28	4	23	19	2	April 1	24
Red Maple,	June 3	May 23	25	June 4	June 4	June 6	20	2	May 25	25
Callicanthus,	6	June 1	5	May 22	May 3	May 12	31	5	April 26	26
Mountain Ash,	15	April 22	22	April 14	10	April 17	16	2	April 31	31
Dandelion,	6	March 30	14	April 8	20	April 24	16	2	April 13	13
Daphne Mezereum,	-	April 30	9	May 30	10	May 1	12	15	May 1	7
Pyrus Japonica,	6	April 12	12	May 9	10	May 16	17	1	May 1	-
Hyacinth,	18	8	-	4	6	12	10	17	May 17	4
Blue Violet,	June 7	May 25	24	May 19	26	June 23	1	5	May 31	26
Persian Lilac,	8	May 18	28	June 2	30	June 4	1	-	June 1	24
G. Maculatum,	30	24	9	June 6	10	June 6	3	-	June 12	31
Rose, Russian,	8	June 6	20	May 17	2	May 20	10	-	May 27	-
Rose, Scotch,	14	May 19	28	May 26	28	April 18	18	28	May 26	22
Horse Chestnut,	22	19	13	April 10	9	April 15	23	2	April 2	2
Narcissus,	27	19	10	-	-	-	-	-	Feb. 13	-
Trailing Arbutus,	-	-	-	-	-	-	-	-	April 2	2

B Y - L A W S

ESTABLISHED BY THE TRUSTEES OF THE STATE LUNATIC
HOSPITAL IN WORCESTER.

C H A P T E R I.

Organization and Meetings of the Board of Trustees.

SECTION 1. The Board of Trustees shall be organized as soon as may be, after the annual appointment of the members, at a meeting to be called by the Trustee who is first named in the commission of the Governor, at which meeting one of the Trustees shall be appointed Chairman, and another Secretary of the Board. In case of the death, sickness, or absence of the Chairman, such other Trustee as may be first named in the commission of the Governor, shall perform the duties of Chairman until the Board, at its next following meeting, shall make an appointment.

SECT. 2. The Chairman shall call meetings of the Board as often as he may deem the same expedient, or whenever he shall be requested to do so by any two Trustees. He shall preside at all meetings, shall prepare the annual report required to be laid before the Governor and Council, and shall be the organ of the Board in receiving and preparing all official communications in relation to its concerns.

SECT. 3. The Secretary shall keep a record of the proceedings of the Board, and shall prepare, or cause to be prepared, all documents, statements, and notices, which may be directed by the Board or by the Chairman. Whenever directed by the Board or Chairman, he shall give notice, in writing, to each Trustee, of the time and place appointed for a proposed meeting of the Board. He shall promptly communicate to the Treasurer all the proceedings of the Board in relation to the settlement of accounts with patients, and the financial concerns of the institution. To assist him in the performance of his duties, he shall be authorized to employ the clerk residing at the hospital.

SECT. 4. The monthly, semi-annual, and annual visitations of the hospital shall be made, so far as may be, in connection with the meetings of the Board; and, otherwise, in conformity to such arrangement as the Board may, from time to time, adopt.

SECT. 5. The annual meeting of the Board shall always be held between the first and fifteenth of October, for the purpose of receiving and auditing the annual report of the Treasurer, and of considering and adopting the annual report of the Board, as prepared by the Chairman, in order that the same may be seasonably forwarded to the office of the Secretary of the Commonwealth.

SECT. 6. The Treasurer's report shall contain a statement of all receipts and expenditures for the year ending the last day of September in each year; and all bills for board and expenses of patients shall be payable to the Treasurer on the first days of January, April, July, and October, in each year.

SECT. 7. The Trustees shall at their annual meeting in each and every year, fix and establish the price to be charged for the board of patients at the hospital, according to the provisions of law in that behalf, made and provided.

CHAPTER II.

Officers of the Hospital, Tenure of Office, and Salaries.

SECTION 1. For conducting efficiently and economically the business of the institution, the following officers shall be appointed by the Trustees, viz.: a Superintendent, a Treasurer, one Assistant-Physician, a Steward, and a Matron.

SECT. 2. The several officers appointed by the Board shall hold their offices during the pleasure of the Board, and shall not resign their offices without giving to the Board at least six months' notice of their intention so to do.

SECT. 3. The salaries of the officers shall be established as follows, viz. :—

The Superintendent shall receive the sum of eighteen hundred dollars per annum, and shall be provided with furnished apartments, and also board and fuel for himself and family; together with the services of one female domestic, and horse-keeping for one horse.

The Treasurer shall receive the sum of six hundred dollars per annum.

The Assistant-Physician shall receive the sum of five hundred dollars for the first year, six hundred dollars for the second year, seven hundred dollars for the third year, and nine hundred dollars for the fourth and each succeeding year, together with board and fuel, and the use of a furnished apartment.

The Steward and Matron shall receive jointly the sum of seven hundred dollars per annum, together with board and fuel, and the use of furnished apartments.

CHAPTER III.

Duty of Superintendent.

SECTION 1. The Superintendent shall be a physician, and shall constantly reside at the hospital.

SECT. 2. He shall have the superintendence of the hospital, and of all the buildings and grounds connected therewith, the oversight and charge of the patients, and the general direction of all the concerns of the institution, subject to such regulations as may be from time to time established by the Trustees.

SECT. 3. He shall visit all the patients personally, or learn their condition daily, and as much oftener as may be necessary, and shall direct such medical, moral and physical treatment as may be best adapted to their relief, giving the fairest trial to kind and moral management.

SECT. 4. He shall cause to be kept a record showing the name, age and residence of each patient, the time when received and removed, whether cured or relieved, whether eloped or dead, and if dead, from what cause.

SECT. 5. He shall receive and answer all communications relating to the concerns of the institution, and shall cause a record of his correspondence to be regularly kept.

SECT. 6. Under the general direction of the Trustees, he shall, from time to time, appoint such persons as he may deem qualified to perform the duties of clerk and apothecary, supervisors of departments, overseers of the laundry, bakery and workshops, watchmen, farmer, and also all necessary attendants, in the galleries, laundry, bakery, kitchen, workshops, and on the farm, and shall contract with them to perform the services required of them by the by-laws, on such conditions and at such rate of weekly or monthly wages as he shall deem expedient.

He shall see constantly that all persons thus employed by him, and also all subordinate officers appointed by the Board, perform faithfully the duties required of them, and from time to time he shall give them such instructions as he may deem necessary to secure the exact and thorough performance of their respective duties.

He shall be authorized to discharge from service any of the persons thus appointed by him, upon their request, or whenever he shall cease to be satisfied in respect to the performance of their duties.

SECT. 7. At each monthly visit of the Trustees he shall exhibit all the records, and in a verbal or written report shall make known the state of the institution, specifying the cases of patients received or removed during the month, and accompanying the same with such suggestions and remarks as he may deem useful.

SECT. 8. At the annual meeting of the Trustees he shall submit a report in writing, upon such topics as may have been suggested by the progress of the institution and the experience of the year, including therein a tabular statement comprising all important particulars from the records.

CHAPTER IV.

Duty of Treasurer.

SECTION 1. The Treasurer shall give bonds for the faithful performance of his duties, in the sum of fifteen thousand dollars, with such sureties as shall be approved by the Trustees.

SECT. 2. He shall receive, hold and disburse all the moneys which may be granted by the legislature or obtained from other sources for the use of the Hospital; and once in each year, and oftener if required by the Trustees, he shall exhibit an account of his receipts and expenditures, with all the vouchers therefor, for the examination of the Board.

CHAPTER V.

Duty of the Assistant-Physician.

SECTION 1. The Assistant-Physician shall always be a physician, and shall constantly reside at the hospital. He shall exercise a general supervision of all the patients, under the direction of the Superintendent.

SECT. 2. The Assistant Physician shall visit all the patients in his department daily, and oftener if necessary; carefully observe their condition, wants and treatment, and see that they have food, medicine, exercise, amusements, clothing and bedding suitable for them; exert what moral influence he can with them, and endeavor in every way to promote their comfort and recovery.

SECT. 3. He shall see that the subordinate officers and attendants are faithful and kind, attentive to the wants of the patients, and vigilant in the discharge of all their duties, and he shall enter in a book kept for the purpose all instances of neglect of duty observed by him, or of which he may receive information, which shall be immediately reported to the Superintendent.

SECT. 4. For the due performance of the duties enjoined in the foregoing sections he shall spend much time in his department, shall be in constant communication with the supervisors, overseers and attendants, and shall carry out the plans and instructions of the Superintendent in the best manner he is able.

SECT. 5. He shall report to the Superintendent daily the general condition of his department, and the particular state of such patients as may be sick or greatly excited, requiring restraint or seclusion.

SECT. 6. He shall attend to the warmth, cleanliness, ventilation, and good order of his department, and superintend the use of the bath.

SECT. 7. He shall keep records of the cases of all the patients, describing the symptoms, the changes that may occur from time to time, the mode of treatment and all the peculiar circumstances connected therewith.

SECT. 8. He shall attend to visitors when necessary, and shall always be ready to perform whatever services may be required of him by the Superintendent.

CHAPTER VI.

Duty of Steward.

SECTION 1. The Steward, under the direction of the Superintendent, shall purchase furniture, fuel, stores, stock for the workshops, implements and cattle for the farm, and all other necessary articles, and shall be responsible for the economical use of the same.

SECT. 2. He shall keep clear and methodical and exact accounts of all receipts and expenditures, and of charges against patients, and shall submit the same, together with proper vouchers therefor, to the Treasurer, at least once in three months, and as much oftener as the Treasurer shall require.

SECT. 3. Under the direction of the Superintendent, he shall attend to engaging and discharging the subordinate officers and attendants, and to the settlement of their wages, for which latter purpose he shall keep regular accounts with them.

SECT. 4. He shall constantly observe the conduct of the subordinate officers and attendants, and see that in all respects they do their duty, and forthwith report to the Superintendent any instance of misconduct or negligence on their part which he may observe or of which he may be informed.

SECT. 5. He shall attend particularly to the business of the laundry, bakery, workshops and farm; shall see to the cleansing of the sewers as often as may be necessary, and that the grounds, yards and roads, the aqueduct, laundry, bakery, workshops, barns, and other out-buildings are always kept in order in conformity to such directions as he may receive from the Superintendent.

SECT. 6. He shall perform all services that may be required of him in maintaining the police of the establishment; shall see to the opening and closing of the house, and that the attendants rise and commence business immediately after the ringing of the bell, and that they retire in proper season at night; that the bell is rung at proper times, and that the fires are regularly kindled and extinguished. He shall go in search of elopers; shall observe the conduct of inmates at the religious and

other meetings; and when in the wings, shall exert all the good influences he can to promote the comfort and recovery of the patients.

SECT. 7. He shall receive visitors, give them all suitable information, and accompany them personally to such parts of the buildings and grounds as, by the permission of the Superintendent, are open for examination.

SECT. 8. He shall be at all times ready to perform whatever extraordinary services shall be required of him by the Superintendent.

CHAPTER VII.

Duty of Matron.

SECTION 1. The Matron shall have the general direction of the domestic concerns of the hospital.

SECT. 2. She shall attend to the cleanliness and good order of the apartments, have care of the cooking, sewing, clothing and bedding, and in connection with the Steward, shall take the general direction of the washing, ironing and baking.

SECT. 3. She shall see that all the female attendants are faithful and diligent in the discharge of their duties, kind and pleasant to patients wherever they meet them, discreet and regular in their deportment, and that they observe all the regulations of the hospital.

SECT. 4. She shall be in the way of seeing the patients frequently, and shall be careful always to exert a good moral influence on them and the attendants, and shall spare no effort to promote the comfort and good order of the household.

SECT. 5. She shall be at all times ready to perform whatever extraordinary services shall be required of her by the Superintendent.

CHAPTER VIII.

Duty of Clerk and Apothecary.

SECTION 1. The Clerk and Apothecary shall keep the records of the hospital, under the direction of the Superintendent; he shall copy, seal and direct letters, make copies of all documents and other papers, post the books of the Steward, keep the weather table, and perform all other clerical services which may be required by the Superintendent or by the Secretary of the Board of Trustees.

SECT. 2. He shall also prepare and put up the medicines prescribed by the Superintendent and Assistant-Physician.

SECT. 3. He shall keep the office in order, wait upon visitors, and perform what other services shall be required of him by the Superintendent.

CHAPTER IX.

Duties of the Supervisors.

SECTION 1. The Supervisors of the respective departments are responsible in a great measure for the order and discipline of the institution. It is their duty to see that the rules of the hospital are carried out in every particular, and that every patient is treated with uniform kindness and attention.

SECT. 2. They will administer all medicines prescribed by the Superintendent or Assistant-Physician, and see that their orders are most strictly observed.

SECT. 3. They will pass all their time in the wards of their respective departments, and assist their attendants in their efforts to amuse, interest and employ the patients under their care.

SECT. 4. They must prevent, in every possible way, any disturbance, noise or confusion among the patients.

SECT. 5. They must report at once all irregularities in the conduct of the attendants, or neglect in the performance of duties that may come under their notice.

SECT. 6. They will act as mediums or messengers between the attendants and office, receiving and transmitting all messages and requests between the same.

SECT. 7. They should report to the Superintendent each day, before the regular visit of the Superintendent and Assistant-Physician, the general condition of the patients.

SECT. 8. They must have the general charge and supervision of the clothing of patients, and of the beds and furniture in the wards.

SECT. 9. They shall have the general charge and direction of the sick, and must know that orders of the Superintendent and Assistant-Physician are faithfully executed.

SECT. 10. They shall in every possible way promote the general interests of the Hospital, and be at all times in readiness to perform any service required by the Superintendent.

CHAPTER X.

Duty of Attendants.

SECTION 1. *Treatment of Patients.*—In all their intercourse with the patients, the Attendants shall treat them with marked respect and civility. They shall be kind and gentle in their manner, and avoid violence of every kind. They must answer, as well as they can, every civil question, and attend at once to every reasonable request. They

must be quiet and calm under every provocation, and never scold, threaten or recriminate ; and whenever they desire any thing done by a patient, they must request it in a respectful and becoming manner.

SECT. 2. In the care of the insane, sympathy, tact and kindness should always take the place of force and authority. But if unfortunately force must at any time be resorted to, the manner of its employment should take away its offensiveness.

SECT. 3. A cheerful look, a kind manner, a respectful demeanor, and sympathizing language, will do much towards quieting the most excited patient.

SECT. 4. The opposition patients make often arises from delusions that lead them to believe they are to be injured in person, property or character, so that every attempt to control them, to administer food, medicine or baths, or to do any thing for them, should be done in the most quiet and kind manner.

SECT. 5. Angry looks, cross words, violent actions, will destroy the patient's confidence, and, if he is subjected to such treatment in the commencement of his disease, will destroy all hope of recovery and cause years of suffering to him and anxiety to his friends.

SECT. 6. *Morning Duties.*—The Attendants shall rise in the morning at the ringing of the bell, and at once commence the labors of the day. On opening the doors of the patients' sleeping rooms, they shall greet the patients with expressions of kindness, see that they arise from bed, are neatly dressed, properly washed, and have their hair and clothes well brushed in time for breakfast at the prescribed hour.

SECT. 7. Immediately after the patients have arisen from bed the Attendants shall remove the chamber vessels, spread open the beds for airing, see that the soiled beds and bedding are removed, and put the beds in good order.

SECT. 8. The Attendants shall keep the patients' rooms and every part of the wards perfectly neat and clean at all times. "Nothing is clean enough if it can be made cleaner." This rule must be most scrupulously observed.

SECT. 9. Whenever any unpleasant odor is discovered, the cause is to be ascertained and removed at all times, day or night.

SECT. 10. Whenever any room, or any part of the wards, or any furniture is soiled, it must be cleaned immediately.

SECT. 11. Whenever any bed, or furniture has been disarranged it must be put in order promptly and cheerfully.

SECT. 12. The halls, sleeping-rooms, parlors, staircases and closets must be swept and brushed as many times each day as may be necessary to keep them perfectly clean.

SECT. 13. The windows, doors and standing work of the halls must be scrubbed as often as may be required.

SECT. 14. The urinals and water-closets must be thoroughly watched and frequently rinsed with hot water.

SECT. 15. Bedding, if wet only, must be cleansed by pouring hot water through the soiled part, and carefully dried before using.

SECT. 16. Clean linen must be put on each bed once in every week, and oftener if necessary. Spreads are to be sent to the laundry when soiled.

SECT. 17. If old or feeble patients wish to lie down during the day, they will go to their own room for that purpose, and the Attendant must assist them if necessary. When they leave their beds the Attendants will see that the beds are put in order, and, if soiled, that they are cleansed and dried.

SECT. 18. *Meals.*—The Attendants shall cause the tables to be properly laid. They shall see that the furniture of the tables is always neat and clean. And so far as they can shall make the table appear cheerful and inviting. The Attendants must always be present at the tables to prepare and distribute food to such patients as are not able to do it for themselves, and shall see that each one is well served. They shall be careful that no knife, fork, or other article is taken from the tables and carried from the dining-rooms by any patient.

SECT. 19. Patients who take their meals in their own rooms, or at a table in the ward, must be carefully served, and the Attendants must see that their food is brought to them warm and in good order. If necessary one Attendant must remain by them while they are eating.

SECT. 20. Patients are never to be forced to take food but by the express order and in the presence of the Superintendent or Assistant-Physician.

SECT. 21. The conduct of the table shall always be decorous. And for any deviation from the rules of propriety the Attendant in charge must be mainly responsible.

SECT. 22. *Baths.*—Every patient must take a warm bath once in a week, unless otherwise directed by the Superintendent or Assistant-Physician.

SECT. 23. The temperature of the bath may be such as is most agreeable to the patient.

SECT. 24. Those who desire to bathe daily must be gratified in this respect and assisted by the Attendants.

SECT. 25. All hot baths, foot baths, sponge baths and shower baths, directed by the Superintendent or Assistant-Physician, must be scrupulously administered by the Attendant in charge.

SECT. 26. In the bathing of patients the rules of delicacy must be most strictly observed in all cases.

SECT. 27. *Shaving.*—The shaving of patients must be done by the Attendant in each ward at regular intervals, and patients who desire to be shaved more frequently must be gratified.

SECT. 28. Great care must be taken that no injury is done at the time of shaving. No patient must be allowed to use a razor unless permission has been given by the Superintendent.

SECT. 29. When such permission has been granted, an Attendant must always be present.

SECT. 30. When an Attendant is engaged in shaving a patient, no other patient should be near.

SECT. 31. The shaving must always be neatly and quickly performed. The patient must not be sent from the chair until his face is smooth, clean and dry, and his hair and whiskers properly trimmed and brushed.

SECT. 32. *Patients at work on the Farm.*—Whenever it is thought advisable for patients to work on the farm or in the gardens, some general order to that effect will be given to the Farmer or some other responsible person, and no patient is ever to be taken from the wards and put to labor, unless some such order respecting the patient has been given.

SECT. 33. The Farmer or Attendant at work with such patients will be held strictly responsible for their safe keeping until they are returned to the proper ward.

SECT. 34. All farmers, mechanics and attendants are expected to work with the patients, and when thus employed will avoid every appearance of driving or superintending, instead of working with and assisting them.

SECT. 35. *Retiring at Night.*—Patients must not retire for the night before 8 o'clock, P. M., without permission from the Assistant-Physician, except in cases of sickness and fatigue.

SECT. 36. All those who do not attend chapel service at 8½ o'clock must retire at that time, unless special permission has been given to the contrary.

SECT. 37. After returning from the chapel, patients may retire in every part of the house.

SECT. 38. At 9½ o'clock all patients, attendants, and other persons employed must be in their rooms, and no light is to be kept burning unless in case of sickness, always excepting the one light in each ward, to be in readiness in case of accident.

SECT. 39. Before closing the door for the night, the Attendant should cheerfully bid the patient a "good night," and be sure the patient is comfortable in bed. The door then is to be carefully locked.

SECT. 40. No patient's door is ever to be left unlocked without permission from the Superintendent or Assistant-Physician.

SECT. 41. *Discipline.*—No patient is ever to be placed in his room in the day time until he is actually unsafe, and after all other means of control have failed. If placed in his room his case is to be reported at once. Under no circumstances whatever must it be done rashly or inconsiderately. When secluded in their own rooms they must be frequently observed, and reported if occupied in defacing the walls, injuring furniture, destroying clothing, or any unseemly act.

SECT. 42. No means of restraint is ever to be placed on a patient, except by the express order of the Superintendent and in his presence.

SECT. 43. *Escapes.*—Whenever a patient is missing he is to be reported at once, and all proper means taken to recover him under the direction of the Superintendent or Assistant-Physician.

SECT. 44. *Prohibited Articles.*—Patients are not to have possession of any knife, razor, or any other dangerous weapon, and whenever one is suspected of having any thing of the kind, a careful search is to be made for it until it is discovered.

SECT. 45. Patients are not to be supplied with tobacco, cigars, or any stimulating beverage.

SECT. 46. All letters, packages, &c., must pass through the office, and be inspected by the Superintendent or Assistant-Physician.

CHAPTER XI.

Duties of House Clerk.

SECTION 1. It shall be the duty of the House Clerk to receive and mark neatly and legibly all clothing brought with patients when they enter the hospital. She shall enter in a book kept for the purpose the name and number of every article, and also take charge of any jewelry, knives, scissors, razors, &c., and all moneys and papers, and be responsible for their safe keeping until permission is given by the Superintendent for their delivery to the patient.

SECT. 2. She shall also mark and register all clothing provided for patients during their stay in the hospital.

SECT. 3. She shall at all times be ready to assist the female patients in altering and repairing any article of clothing, and in every way make herself generally useful.

SECT. 4. She shall observe all the regulations of the hospital, and be ready at all times to perform any service required by the Superintendent.

CHAPTER XII.

Duty of the Baker.

SECTION 1. The Baker, under the direction of the Steward and Matron, shall prepare bread, pastry, and other articles pertaining to his department of cooking, and shall supply the kitchen with such quantity as may be required.

SECT. 2. He shall take care of all supplies furnished him for use, and shall be held responsible for the judicious and economical use of them.

SECT. 3. He shall take charge of the bakery and furniture, and always see personally to the fire and lights, and to the opening and closing of his department.

SECT. 4. He shall observe all the regulations of the hospital, and see that they are observed by all persons employed in the bakery, and shall immediately report every instance of remissness or neglect of duty to the Steward.

SECT. 5. He shall be ready at all times to perform any service which may be required by the Superintendent.

CHAPTER XIII.

Duty of Farmer.

SECTION 1. The Farmer, under the direction of the Steward, shall take care of the stock, barn, stables, and piggeries, shall see to the careful use and safe keeping of all implements of labor, and to the feeding and proper treatment of all the animals, and he shall have charge of the teams and of all the work done upon the farm.

SECT. 2. He shall be ready at all times to perform any service which may be required of him by the Superintendent.

CHAPTER XIV.

Duty of the Engineer and Fireman.

SECTION 1. It shall be the duty of the Engineer and Fireman to attend to and take care of the steam apparatus for warming and ventilating the hospital. He will also supply steam for cooking, bathing and laundry purposes, and also for the stables whenever needed.

SECT. 2. He must attend to the force pumps, and see that they are kept in working order, and shall keep them in action so much of the time as may be necessary.

SECT. 3. He must attend to the generation of steam so carefully as to be able to adapt it to all the variations of the temperature.

SECT. 4. He must keep his department in a perfectly neat and orderly manner.

SECT. 5. He will not permit any company or visitor in his department without permission from the Superintendent.

CHAPTER XV.

Duty of the Overseer of the Kitchen.

SECTION 1. The Overseer of the Kitchen shall have the general charge of all the cooking, under the direction of the Steward and Matron. He shall take care of supplies for the kitchen, and prepare food for the household as may be directed.

SECT. 2. He shall see to the proper distribution and delivery of food to the various wards, and shall be responsible for the cooking of the same.

SECT. 3. He shall personally take care of the fires and lights, and see that his department is properly closed for the night.

SECT. 4. He shall be mainly responsible for the conduct of such help as he may require in the performance of his duties.

SECT. 5. He shall at all times be ready to perform any service required of him by the Superintendent.

CHAPTER XVI.

Duty of the Laundress.

SECTION 1. The Laundress, under the direction of the Steward and Matron, shall have the general charge of the laundry. She shall on specified days collect the clothes and soiled linen from the place of their deposit, and cause them to be properly washed and ironed, and returned to the wards to which they belong.

SECT. 2. The soiled clothes and bed linen belonging in the centre building shall, on specified days, be taken from the rooms to which they belong, and after washing and ironing in a neat manner, shall be returned to the rooms from which they were taken.

SECT. 3. She shall take care of the laundry and its fixtures, keep them in good order, attend personally to the fires and lights, and secure the apartments at night.

SECT. 4. She shall observe all the regulations of the hospital, and see that they are observed by those employed in the laundry.

SECT. 5. She will not permit any visitor or company in the laundry, without permission from the Superintendent, Steward or Matron.

CHAPTER XVII.

Duties of the Watch.

SECTION 1. The Watchman will visit the office at half-past nine o'clock in the evening, to receive his instructions for the night, and immediately commence his duties.

SECT. 2. He shall be constantly awake, faithful and vigilant. He shall visit each ward in the male department at least every hour during the night. He must avoid noise, never converse in a loud tone with any one, and open and shut all doors as quietly as possible.

SECT. 3. In the treatment of patients he must observe the same rules as the Attendants.

SECT. 4. He must always attend to any want expressed by a patient.

SECT. 5. He must notice any unusual noise in a patient's room, and ascertain the cause, and if necessary give notice to the Attendant.

SECT. 6. He must give especial attention to the sick, and faithfully execute any order respecting them.

SECT. 7. He must be scrupulously watchful in regard to fire, and if one occurs must at once give notice to the Superintendent, but in no case make an alarm.

SECT. 8. He must be on service twelve hours of each day.

SECT. 9. He will at all times be in readiness to perform any service required by the Superintendent.

CHAPTER XVIII.

Duties of the Watchwoman.

SECTION 1. The Watchwoman will have charge of the female wards during the night, and be governed by the rules laid down for the Watchman.

CHAPTER XIX.

Duty of Overseers of Workshops.

SECTION 1. The Overseers of Workshops, under the direction of the Steward, shall take care of all stock supplied to them, and see that it is economically used and properly manufactured by the patients under their charge; and they shall keep regular accounts of all stock received and all articles manufactured, sold, or otherwise disposed of.

SECT. 2. They shall exercise a judicious and prudent oversight of all patients under their charge, and shall see them returned to the wards, or placed in the care of their respective attendants, when their labor is done.

SECT. 3. They shall take care of the apartments, and of all stock, tools, and fire therein; shall see to the fires and lights, and that the workshops are properly closed at night.

SECT. 4. They shall be ready at all times to perform any service which may be required of them by the Superintendent.

CHAPTER XX.

Attendance upon Religious Service.

SECTION 1. All persons employed in the hospital who are well, and can be spared from their duties in the house or in the wards, shall attend evening prayers, and the religious services on the Sabbath, both morning and evening, unless leave of absence be specially granted.

SECT. 2. Officers and Attendants shall take especial care that their demeanor during the services shall be strictly becoming and worthy of imitation; and it shall be considered a noticeable breach of duty, for any one to sleep habitually while present in the chapel.

SECT. 3. The attendance of patients in the chapel shall be under the direction of the Superintendent; and all the arrangements which he may direct concerning them shall be faithfully carried into effect by the other Officers and the Attendants.

CHAPTER XXI.

Duty of the Yard Attendant.

SECTION 1. Under the direction of the Steward, he shall take care of the yards and cellars. He shall keep all the walks, avenues and courts perfectly clean and neat. He shall remove all rubbish and filth, collect and take off whatever may be thrown from the windows of the wards.

SECT. 2. He shall keep the cellars and attics well swept and white-washed, and shall remove the dust from the dust holes as often as may be necessary.

SECT. 3. He shall remove all the soiled straw beds, and at the request of the Supervisors shall return fresh and clean ones.

SECT. 4. He shall see that the doors and gates of his department are secured for the night, and shall be ready at all times to perform any service required by the Superintendent.

CHAPTER XXII.

Duties of Coachman.

SECTION 1. He shall take care of all carriages, horses and harnesses, &c., and see that they are at all times in good order and ready for use.

SECT. 2. He shall drive out with the patients at such times as may be directed by the Superintendent, and shall be careful that no accident occurs, and shall also see that the patients conduct themselves in a becoming manner.

SECT. 3. He shall never stop at any house, shop or store, or do any errands, or carry any messages or packages, without express direction from the Superintendent.

SECT. 4. He will at once report any impropriety that occurs during the ride.

SECT. 5. He will hold himself in readiness to perform any service required by the Superintendent.

CHAPTER XXIII.

Miscellaneous Regulations.

SECTION 1. No Officer or Attendant, while connected with the hospital, shall at any time make use of distilled spirits or intoxicating liquor of any kind, at home or abroad ; nor shall any one make use of tobacco, or smoke a cigar or pipe about the premises.

SECT. 2. No company shall be admitted into the wards occupied by the patients, except by express permission from the Superintendent. All other parts of the hospital may be exhibited by the Assistant-Physician, and the Steward or Matron, at such times and under such restrictions as the Superintendent shall direct.

SECT. 3. The Attendants shall always keep themselves well dressed in neat and clean apparel.

SECT. 4. All persons employed at the hospital shall avoid the use of profane, obscene or vulgar language, treat each other with uniform civility, never indulge in loud talking or laughing, nor play at any game together without the permission of the Superintendent. In all respects they shall exhibit a good example to the patients, and shall be held strictly responsible for the bad influence of their conduct.

SECT. 5. All persons employed at the hospital shall accustom themselves to speak respectfully of the officers and the institution, and shall inculcate these sentiments in their intercourse with the patients and they shall sustain and carry into operation all directions and prescriptions for the patients in the most ready and faithful manner.

SECT. 6. All persons who have duty to perform at the hospital shall rise in the morning at the ringing of the bell.

SECT. 7. Leave of absence will be granted to all persons employed in the various wards by the Superintendent, and in his absence by the Assistant-Physician.

SECT. 8. Leave of absence will be granted to all persons employed in the kitchen, laundry, bakery and serving rooms by the Superintendent, and in his absence by the Matron.

SECT. 9. Leave of absence will be granted to all persons employed on the farm and in the various workshops by the Superintendent, and in his absence by the Steward.

SECT. 10. All persons who shall agree to perform service at the hospital shall be considered as engaged for one year, unless a special contract shall be made for a longer or shorter term; and no person employed at the hospital shall discontinue service at or after the expiration of the year or term agreed for, without giving to the Steward at least thirty days' notice of an intention so to do.

SECT. 11. It is expected that the Attendants will devote their whole time to the interests of the hospital.

SECT. 12. They will never leave their duties without permission, and whenever leave of absence is given they will always leave their keys at the office until they return.

SECT. 13. When they go out they will never carry bundles, letters, or any thing for patients, or do any errand for them without permission from the Superintendent.

SECT. 14. The Attendants must on no account take any friend or visitor into any of the wards, without permission from the Superintendent.

D I E T T A B L E

FOR THE STATE LUNATIC HOSPITAL.

SUNDAY.

Breakfast—Coffee, bread and butter, hash of fish and potatoes.*Dinner*—Bread and butter, cheese, crackers and pie.*Supper*—Tea or cocoa, bread and butter, cold meat and warm potatoes.

MONDAY.

Breakfast—Coffee, bread and butter, boiled eggs and warm potatoes.*Dinner*—Boiled dish, vegetables, hasty pudding, and bread and butter.*Supper*—Tea or cocoa, warm biscuit and butter, and cheese.

TUESDAY.

Breakfast—Coffee, bread and butter, hash of meat and potatoes.*Dinner*—Roast meat, vegetables, and bread and butter.*Supper*—Tea or cocoa, bread and butter, cheese and plain cake.

WEDNESDAY.

Breakfast—Coffee, warm biscuit and butter, cold roast meat and potatoes.*Dinner*—Stewed or baked beans or stewed peas, vegetables, boiled rice and bread and butter.*Supper*—Tea or cocoa, bread and butter, cheese and gingerbread.

THURSDAY.

Breakfast—Coffee, bread and butter, hash of fish and potatoes.*Dinner*—Soup with meat, vegetables, pudding and bread and butter.*Supper*—Tea or cocoa, bread and butter and sugar gingerbread.

FRIDAY.

Breakfast—Coffee, bread and butter, cold meat, warm baked or stewed beans or peas, and warm potatoes.*Dinner*—Boiled dish, vegetables, pudding and bread and butter.*Supper*—Tea or cocoa, warm biscuit and butter and cheese.

SATURDAY.

Breakfast—Coffee, bread and butter, hash of meat and potatoes.

Dinner—Salt or fresh fish, vegetables, boiled rice, and bread and butter.

Supper—Tea or cocoa, bread and butter, and tea cake.

The condiments provided, are salt, pepper, mustard, and vinegar. Toast, griddle cakes, fried pudding or cakes, to be used twice a week. Milk is used freely. Apples in the season of them are served every day at dinner, other fruits occasionally. The sick have a prescribed diet.

Time of Bell Ringing and Meals.

	Bell rings.	Breakfast.	Supper.
March 1 to 15, . . .	5½ A. M., 4½ P. M., .	7	5¼
" 15 to 31, . . .	5¼ " 4¾ " .	6¾	5½
April 1 to 15, . . .	5 " 5 " .	6½	5¾
" 15 to 30, . . .	4¾ " 5¼ " .	6½	6
May 1 to Sept. 1, . .	4½ " 5½ " .	6	6
Sept. 1 to 15, . . .	4¾ " 5¼ " .	6½	6
" 15 to 30, . . .	5 " 5 " .	6½	5¾
Oct. 1 to 15, . . .	5¼ " 4¾ " .	6¾	5½
" 15 to 31, . . .	5½ " 4½ " .	7	5¼
Nov. 1 to March 1, . .	5¾ " 4½ " .	7	5

Bell rings week days at . . . . .	. . . . .	12 M.
" " every evening at . . . . .	. . . . .	8½.
" " Sundays at . . . . .	. . . . .	2½ P. M.
Dinner, week days at . . . . .	. . . . .	12½ P. M.
" Sundays at . . . . .	. . . . .	12 M.

Supper, Sundays, half an hour earlier than on week days.





4